

GenCore version 5.1.8
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ON protein - protein search, using sw model

Run on: May 15, 2006, 11:42:33 ; Search time 21.6555 Seconds

Sequence: 1 DIQWTSQSPSTLSASVGDRVTITCSASSTSYMHQQERGKAPKLLIYTTSNLASGVPAR 60

Scoring table: BLOSUM62

Gapext 10.0 , Gapext 0.5

Title: US-10-822-300-118

Perfect score: 1104

Sequence: 1 DIQWTSQSPSTLSASVGDRVTITCSASSTSYMHQQERGKAPKLLIYTTSNLASGVPAR 60

Scoring table: BLOSUM62

Gapext 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Post-processing: Minimum Match 0%*

Maximum DB seq length: 200000000

Database : Listing first 45 summaries

Issued Patents A.A.*

1: /cgn2_6/prodata/1/1aa/5_COMB_pep:/*
2: /cgn2_6/prodata/1/1aa/6_COMB_pep:/*
3: /cgn2_6/prodata/1/1aa/H_COMB_pep:/*
4: /cgn2_6/prodata/1/1aa/PICTUS_COMB_pep:/*
5: /cgn2_6/prodata/1/1aa/RE_COMB_pep:/*
6: /cgn2_6/prodata/1/1aa/backfilesl_pep:/*

Prd. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Match Length DB ID Description

Result No.	Score	Query Match	Length	DB ID	Description
1	1057	95.7	235	2	US-09-910-059-52
2	1051	95.2	235	2	US-09-171-945-99
3	1051	95.2	235	2	US-09-910-059-99
4	1050	95.1	235	2	US-09-171-945-52
5	1049	95.0	213	2	US-09-996-265-231
6	1049	95.0	213	2	US-09-996-265-231
7	1044	94.6	213	2	US-09-996-288-255
8	1044	94.6	213	2	US-09-996-265-255
9	1043.5	94.5	213	2	US-08-630-920-6
10	1043.5	94.5	213	2	US-09-273-153-6
11	1043	94.5	213	2	US-09-996-288-233
12	1043	94.5	213	2	US-09-996-288-239
13	1043	94.5	213	2	US-09-996-288-241
14	1043	94.5	213	2	US-09-996-288-247
15	1043	94.5	213	2	US-09-996-265-233
16	1043	94.5	213	2	US-09-996-265-239
17	1043	94.5	213	2	US-09-996-265-241
18	1043	94.5	213	2	US-09-996-265-247
19	1042	94.4	213	2	US-09-996-288-211
20	1042	94.4	213	2	US-09-996-265-211
21	1041	94.3	235	2	US-09-171-945-97
22	1041	94.3	213	2	US-09-910-159-97
23	1039	94.1	213	2	US-09-996-288-237
24	1039	94.1	213	2	US-09-996-288-243
25	1039	94.1	213	2	US-09-996-265-237
26	1039	94.1	213	2	US-09-996-265-243
27	1038	94.0	213	2	US-09-996-288-245

ALIGNMENTS

RESULT 1

US-09-910-059-52

Sequence 52, Appl

Sequence 99, Appl

Sequence 99, Appl

Sequence 52, Appl

Sequence 52, Appl

Sequence 231, Appl

Sequence 231, Appl

Sequence 255, Appl

Sequence 255, Appl

Query Match 95.7%; Score 1057; DB 2; Length 235;

Best Local Similarity 95.9%; Pred. NO. 1.6e-75; Matches 200; Conservative 10; Mismatches 3; Indels 0; Gaps 0;

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: complete humanised light chain sequence

US-09-910-059-52

Query Match 95.7%; Score 1057; DB 2; Length 235;

Best Local Similarity 95.9%; Pred. NO. 1.6e-75; Matches 200; Conservative 10; Mismatches 3; Indels 0; Gaps 0;

QY 1 DIQWTSQSPSTLSASVGDRVTITCSASSTSYMHQQERGKAPKLLIYTTSNLASGVPAR 60

Db 23 DIQWTSQSPSLISAVGDRVTITCSASSTSYMHQQERGKAPKLLIYTTSNLASGVPAR 60

QY 61 FSGSGSGTGTITLSSQDPAFTYCHORSTYPLTFSOGTKYEVKRTVAAPSVFIFPPS 120

Db 143 DEQKSGTGTASVCLNPNFYPREAKWQKVNQDLSQNSOESVTEQDSDSTYLSLTL 202

QY 83 FSGSGSGTGTITLSSQDPAFTYCHORSTYPLTFSOGTKYEVKRTVAAPSVFIFPPS 142

QY 121 DEQKSGTGTASVCLNPNFYPREAKWQKVNQDLSQNSOESVTEQDSDSTYLSLTL 180

Db 181 SKADYKHKVYACETVTHQGLSSPVTKSFNRGEC 213

Db 203 SKADYKHKVYACETVTHQGLSSPVTKSFNRGEC 235

RESULT 2
US-09-171-945-99
; Sequence 99, Application US/09171945
; Patent No. 627759
; GENERAL INFORMATION:
; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System
; FILE REFERENCE: Monoclonal Antibody to CEA
; CURRENT APPLICATION NUMBER: US/09/171,945
; CURRENT FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 99
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: humanized
; US-09-171-945-99

Query Match 95.2%; Score 1051; DB 2; Length 235;
Best Local Similarity 93.4%; Pred. No. 4.7e-75; Matches 199; Conservative 10; Mismatches 4; Indels 0; Gaps 0;
Qy 1 DIQMOSPSPSILASVGDRVITCSASSISYMWYQOKPGKAPKLITYTSNLASGVPAR 60
Db 23 DIQMOSPSSILASVGDRVITCSASSISYMWYQOKPGKAPKLITYTSNLASGVPSR 82
Qy 61 FSGGSGGTTPLTISLQDDPRTYCHORSTYPLTFCGQTKVEKRTVAAPSVPFPPS 120
Db 83 FSGGSGGTTPLTISLQDDPRTYCHORSTYPLTFCGQTKVEKRTVAAPSVPFPPS 142
Qy 121 DEQJKSGTASVCLANFYPREAKWQKVNDALQSGNSQESTQDSDKOSTVLSLSTLT 180
Db 143 DEQJKSGTASVCLANFYPREAKWQKVNDALQSGNSQESTQDSDKOSTVLSLSTLT 202
Qy 181 SKADYEHKRVYACEVTHQGSSPVTKSFNRGEC 213
Db 203 SKADYEHKRVYACEVTHQGSSPVTKSFNRGEC 235

RESULT 3
US-09-910-059-99
; Sequence 99, Application US/09910059
; Patent No. 693203
; GENERAL INFORMATION:
; APPLICANT: Copley, Clive G
; APPLICANT: Edge, Michael Derek
; APPLICANT: Emery, Stephen Charles
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System
; FILE REFERENCE: 1991-209
; CURRENT APPLICATION NUMBER: US/09/910,059
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 52
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: humanized
; US-09-171-945-52

Query Match 95.1%; Score 1050; DB 2; Length 235;
Best Local Similarity 93.4%; Pred. No. 5.6e-75; Matches 199; Conservative 10; Mismatches 4; Indels 0; Gaps 0;
Qy 1 DIQMOSPSPSILASVGDRVITCSASSISYMWYQOKPGKAPKLITYTSNLASGVPAR 60
Db 23 DIQMOSPSSILASVGDRVITCSASSISYMWYQOKPGKAPKLITYTSNLASGVPSR 82
Qy 61 FSGGSGGTTPLTISLQDDPRTYCHORSTYPLTFCGQTKVEKRTVAAPSVPFPPS 120
Db 83 FSGGSGGTTPLTISLQDDPRTYCHORSTYPLTFCGQTKVEKRTVAAPSVPFPPS 142
Qy 121 DEQJKSGTASVCLANFYPREAKWQKVNDALQSGNSQESTQDSDKOSTVLSLSTLT 180

Db 143 DEQIKSGTASVCLANNPFREAKVQWQKDNLQSGNSQSVTEQDKDSTSLSSTL 202

Qy 181 SKADYEKHKVYACEVTHQGSSPVTKSFNRGEC 213

Db 203 SKADYEKHKVYACEVTHQGSSPVTKSFNRGEC 235

RESULT 5

US-09-996-288-231

; Sequence 231, Application US/09996288

; Patent No. 6818216

; GENERAL INFORMATION:

; APPLICANT: Young, James

; APPLICANT: Scott, Koenig

; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi

; TIR OF INVENTION: and Treatment

; FILE REFERENCE: 10271-047-999

; CURRENT APPLICATION NUMBER: US/09/996, 288

; CURRENT FILING DATE: 2001-11-28

; NUMBER OF SEQ ID NOS: 259

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 231

; LENGTH: 213

; TYPE: PRT

; ORGANISM: Homo sapiens

Query Match 95.0%: Score 1049; DB 2; Length 213;

Best Local Similarity 94.8%; Pred. No. 6.1e-75; Mismatches 3; Indels 0; Gaps 0;

Matches 202; Conservative

3; Mismatches 8; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLISASVGDRYTITCSASSISYMWYQOKGKAPKLITYTSNLASGVPAR 60

Db 1 DIOMTQSPSTLISASVGDRYTITCSASSISYMWYQOKGKAPKLITYTSNLASGVPAR 60

Qy 121 DEQIKSGTASVCLANNPFREAKVQWQKDNLQSGNSQSVTEQDKDSTSLSSTL 180

Db 61 FSGGGSGTERTPLTISLQOPDPATTYCQROSGGYPFTGGGTKEIKRTVAAPSVFIRPPS 120

Qy 181 SKADYEKHKVYACEVTHQGSSPVTKSFNRGEC 213

Db 181 SKADYEKHKVYACEVTHQGSSPVTKSFNRGEC 213

RESULT 6

US-09-996-265-231

; Sequence 231, Application US/09996265

; Patent No. 6855493

; GENERAL INFORMATION:

; APPLICANT: Young, James

; APPLICANT: Scott, Koenig

; APPLICANT: Leslie, Johnson

; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi

; TIR OF INVENTION: and Treatment

; FILE REFERENCE: 10271-048-999

; CURRENT APPLICATION NUMBER: US/09/996, 265

; CURRENT FILING DATE: 2001-11-28

; NUMBER OF SEQ ID NOS: 259

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 231

; LENGTH: 213

; TYPE: PRT

; ORGANISM: Homo sapiens

Query Match 95.0%: Score 1049; DB 2; Length 213;

Best Local Similarity 94.8%; Pred. No. 6.1e-75; Mismatches 3; Indels 0; Gaps 0;

Matches 202; Conservative

3; Mismatches 8; Indels 0; Gaps 0;

RESULT 7

US-09-996-288-255

; Sequence 255, Application US/09996288

; Patent No. 6818216

; GENERAL INFORMATION:

; APPLICANT: Young, James

; APPLICANT: Scott, Koenig

; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi

; TIR OF INVENTION: and Treatment

; FILE REFERENCE: 10271-047-999

; CURRENT APPLICATION NUMBER: US/09/996, 288

; CURRENT FILING DATE: 2001-11-28

; NUMBER OF SEQ ID NOS: 259

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 255

; LENGTH: 213

; TYPE: PRT

; ORGANISM: Homo sapiens

Query Match 94.6%: Score 1044; DB 2; Length 213;

Best Local Similarity 94.4%; Pred. No. 1.5e-74; Mismatches 9; Indels 0; Gaps 0;

Matches 201; Conservative

3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLISASVGDRYTITCSASSISYMWYQOKGKAPKLITYTSNLASGVPAR 60

Db 1 DIOMTQSPSTLISASVGDRYTITCSASSISYMWYQOKGKAPKLITYTSNLASGVPAR 60

Qy 121 DEQIKSGTASVCLANNPFREAKVQWQKDNLQSGNSQSVTEQDKDSTSLSSTL 180

Db 61 FSGGGSGTERTPLTISLQOPDPATTYCQROSGGYPFTGGGTKEIKRTVAAPSVFIRPPS 120

Qy 181 SKADYEKHKVYACEVTHQGSSPVTKSFNRGEC 213

Db 181 SKADYEKHKVYACEVTHQGSSPVTKSFNRGEC 213

RESULT 8

US-09-996-265-255

; Sequence 255, Application US/09996265

; Patent No. 6855493

; GENERAL INFORMATION:

; APPLICANT: Young, James

; APPLICANT: Scott, Koenig

; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi

; TIR OF INVENTION: and Treatment

; FILE REFERENCE: 10271-048-999

; CURRENT APPLICATION NUMBER: US/09/996, 265

; CURRENT FILING DATE: 2001-11-28

; NUMBER OF SEQ ID NOS: 259

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 255

; LENGTH: 213

; TYPE: PRT

; ORGANISM: Homo sapiens

Query Match 95.0%: Score 1049; DB 2; Length 213;

Best Local Similarity 94.8%; Pred. No. 6.1e-75; Length 213;

CURRENT FILING DATE: 2001-11-28
 NUMBER OF SEQ ID NOS: 259
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 255
 LENGTH: 213
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-996-265-255

Query Match 94.6%; Score 1044; DB 2; Length 213;
 Best Local Similarity 94.4%; Pred. No. 1.5e-74;
 Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQMTQSPSFLSASVGDRVTITCSASSISYMMWYQKPGKAPKLLIYTTSNLASGVPAR 60
 2 DIQMTQSPSFLSASVGDRVTITCSASSISYMMWYQKPGKAPKLLIYTTSNLASGVPSR 60

Db 61 FSGSGSGTGTFLTISLQPDPAFTYCHORSTYPLTFCGQGTKEVRQTVAAVSFIFPPS 120
 61 FSGSGSGTGTFLTISLQPDPAFTYCHORSTYPLTFCGQGTKEVRQTVAAVSFIFPPS 120

QY 121 DEQLKSGTASVCLANNPFPREAKYQWQKDNLQSGNSBESVTDKSKDSTYLSSTLT 180
 121 DEQLKSGTASVCLANNPFPREAKYQWQKDNLQSGNSBESVTDKSKDSTYLSSTLT 180

Db 121 DEQLKSGTASVCLANNPFPREAKYQWQKDNLQSGNSBESVTDKSKDSTYLSSTLT 180
 121 DEQLKSGTASVCLANNPFPREAKYQWQKDNLQSGNSBESVTDKSKDSTYLSSTLT 180

QY 181 SKADYEHKHYACEVTHQGLSSPVTKSFNRGEC 213
 181 SKADYEHKHYACEVTHQGLSSPVTKSFNRGEC 213

Db 181 SKADYEHKHYACEVTHQGLSSPVTKSFNRGEC 213
 181 SKADYEHKHYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 9
 US-08-630-820-6
 Sequence 6, Application US/08630820
 Patent No. 6008023

GENERAL INFORMATION:

APPLICANT: OPPER, Martin
 APPLICANT: BOSSLER, Klaus
 APPLICANT: CZECH, Joerg
 TITLE OF INVENTION: CYTOPLASMIC EXPRESSION OF ANTIBODIES,
 TITLE OF INVENTION: ANTIBODY FRAGMENTS AND ANTIBODY FRAGMENT FUSION MOLECULES
 TITLE OF INVENTION: IN B. COLI
 NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley & Lardner
 STREET: 3000 K Street, N.W., Suite 500
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20007-5109

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/630,820
 FILING DATE: 10-APR-1996
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: DE 19513676.4
 FILING DATE: 11-APR-1995

ATTORNEY/AGENT INFORMATION:
 NAME: GRANADOS, Patricia D.
 NAME: GRANADOS, Patricia D.
 REGISTRATION NUMBER: 33,683
 REFERENCE/DOCKET NUMBER: 18748/306

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 672-5300
 TELEFAX: (202) 672-5399
 TELE: 904135

INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 213 amino acids
 TYPE: amino acid
 TOPOLOGY: linear

MOLECULE TYPE: protein
 US-08-630-820-6

Query Match 94.5%; Score 1043.5; DB 2; Length 213;
 Best Local Similarity 93.9%; Pred. No. 1.6e-74;
 Matches 201; Conservative 8; Mismatches 4; Indels 1; Gaps 1;

QY 1 DIQMTQSPSFLSASVGDRVTITCSASSISYMMWYQKPGKAPKLLIYTTSNLASGVPAR 60
 2 DIQMTQSPSFLSASVGDRVTITCSASSISYMMWYQKPGKAPKLLIYTTSNLASGVPSR 61

Db 61 FSGSGSGTGTFLTISLQPDPAFTYCHORSTYPLTFCGQGTKEVRQTVAAVSFIFPPS 120
 61 FSGSGSGTGTFLTISLQPDPAFTYCHORSTYPLTFCGQGTKEVRQTVAAVSFIFPPS 120

QY 121 DEQLKSGTASVCLANNPFPREAKYQWQKDNLQSGNSBESVTDKSKDSTYLSSTLT 180
 121 DEQLKSGTASVCLANNPFPREAKYQWQKDNLQSGNSBESVTDKSKDSTYLSSTLT 180

Db 121 DEQLKSGTASVCLANNPFPREAKYQWQKDNLQSGNSBESVTDKSKDSTYLSSTLT 180
 121 DEQLKSGTASVCLANNPFPREAKYQWQKDNLQSGNSBESVTDKSKDSTYLSSTLT 180

QY 181 SKADYEHKHYACEVTHQGLSSPVTKSFNRGEC 213
 181 SKADYEHKHYACEVTHQGLSSPVTKSFNRGEC 213

Db 181 SKADYEHKHYACEVTHQGLSSPVTKSFNRGEC 213
 181 SKADYEHKHYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 10
 US-09-273-453-6
 Sequence 6, Application US/09273453
 Patent No. 6602688

GENERAL INFORMATION:

APPLICANT: OPPER, Martin
 APPLICANT: BOSSLER, Klaus
 CZECH, Joerg
 TITLE OF INVENTION: CYTOPLASMIC EXPRESSION OF ANTIBODIES,
 TITLE OF INVENTION: ANTIBODY FRAGMENTS AND ANTIBODY FRAGMENT FUSION MOLECULES
 NUMBER OF SEQUENCES: 7
 IN B. COLI

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley & Lardner
 STREET: 3000 K Street, N.W., Suite 500
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20007-5109

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/273,453
 FILING DATE: 22-Mar-1999

PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/630,820
 FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
 NAME: GRANADOS, Patricia D.
 REGISTRATION NUMBER: 33,683
 REFERENCE/DOCKET NUMBER: 18748/306

TELEPHONE: (202) 672-5300
 TELEFAX: (202) 672-5399
 TELE: 904135

INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 213 amino acids
 TYPE: amino acid
 TOPOLOGY: linear

MOLECULE TYPE: protein
 US-09-273-453-6

Query Match 94.5%; Score 1043.5; DB 2; Length 213;
 Best Local Similarity 93.9%; Pred. No. 1.6e-74;

US-09-996-288-247
; Sequence 247, Application US/09996288
; Patent No. 6518216
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 247
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-996-288-247

Query Match Similarity 94.5%; Score 1043; DB 2; Length 213;

Best Local Similarity 94.4%; Pred. No. 1.8e-74;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIQMTQSPSPLSIASVQDRVTITCSASSISIYTMHWQKPKAPKLUYTTSNLASGVPAR 60
Db 1 DIQMTQSPSPLSIASVQDRVTITCSASSISV3YMWQKPKAPKLUYTDPFLASGVPSR 60
Qy 61 FSGSGSGTETFLITISIQLPDPATYCHQRTSYIPLTRFGQSTKVEKRTVAPSVIFPPS 120
Db 61 FSGSGSGTETFLITISIQLPDPATYCFQOSGYPTFGGSPVKEIKRTVAPSVIFPPS 120
Qy 121 DEQLKSGTASVCLNNPYREAKVQKNDALQSONSQSVTEQDSKDSYSSGSLTL 180
Db 121 DEQLKSGTASVCLNNPYREAKVQKNDALQSONSQSVTEQDSKDSYSSGSLTL 180
Qy 181 SKADYERKHKVYACEVTHQGSSPVTKSFNRGEC 213
Db 181 SKADYERKHKVYACEVTHQGSSPVTKSFNRGEC 213

RESULT 15

US-09-996-265-233
; Sequence 233, Application US/09996265
; Patent No. 6855493
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/09/996,265
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 233
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-996-265-233

Query Match Similarity 94.5%; Score 1043; DB 2; Length 213;
Best Local Similarity 94.4%; Pred. No. 1.8e-74;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIQMTQSPSPLSIASVQDRVTITCSASSISIYTMHWQKPKAPKLUYTTSNLASGVPAR 60
Db 1 DIQMTQSPSPLSIASVQDRVTITCSASSISV3YMWQKPKAPKLUYTDPFLASGVPSR 60
Qy 61 FSGSGSGTETFLITISIQLPDPATYCHQRTSYIPLTRFGQSTKVEKRTVAPSVIFPPS 120
Db 61 FSGSGSGTETFLITISIQLPDPATYCFQOSGYPTFGGSPVKEIKRTVAPSVIFPPS 120

Search completed: May 15, 2006, 11:43:57
Job time : 22.6555 secs
Qy 121 DEQLKSGTASVCLNNPYREAKVQKNDALQSONSQSVTEQDSKDSYSSGSLTL 180
Db 121 DEQLKSGTASVCLNNPYREAKVQKNDALQSONSQSVTEQDSKDSYSSGSLTL 180
Qy 181 SKADYERKHKVYACEVTHQGSSPVTKSFNRGEC 213
Db 181 SKADYERKHKVYACEVTHQGSSPVTKSFNRGEC 213

GenCore version 5.1.8
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On protein - protein search, using sw model
Run on: May 15, 2006, 11:57:43 ; Search time 71.1077 Seconds
(without alignments)

Title: US-10-822-300-118
Perfect score: 1104
Sequence: 1 DIQMTQSPSTLSASVGDRVTITCASSISSYMHWYQQKPSKAKPQKLIYTSNLASGVPAR 213

Scoring table: BLOSUM62
Gapext 10.0 , Gapext 0.5

Searched: 1867569 seqb, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569
Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA_Main:*

1: /cgn2_6/prodata1/pupba/US07_PUBCOMB.pep: *
2: /cgn2_6/prodata1/pupba/US08_PUBCOMB.pep: *
3: /cgn2_6/prodata1/pupba/US09_PUBCOMB.pep: *
4: /cgn2_6/prodata1/pupba/US10_PUBCOMB.pep: *
5: /cgn2_6/prodata1/pupba/US10B_PUBCOMB.pep: *
6: /cgn2_6/prodata1/pupba/US11_PUBCOMB.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1104	100.0	213	5 US-10-822-300-118
2	1104	100.0	213	5 US-10-947-432-1
3	1057	95.7	235	3 US-09-910-059-52
4	1057	95.7	235	4 US-10-608-710-2
5	1057	95.7	235	3 US-09-910-059-99
6	1049	95.0	213	3 US-09-996-288-231
7	1049	95.0	213	3 US-09-996-285-231
8	1049	95.0	213	5 US-10-900-230-231
9	1049	95.0	213	5 US-10-962-285-231
10	1049	95.0	213	5 US-10-403-180-231
11	1044	94.6	213	3 US-09-996-288-255
12	1044	94.6	213	3 US-09-996-285-255
13	1044	94.6	213	5 US-10-900-230-255
14	1044	94.6	213	5 US-10-962-285-255
15	1043	94.5	213	5 US-10-403-180-255
16	1043	94.5	213	5 US-10-632-815-6
17	1043	94.5	213	3 US-09-996-288-233
18	1043	94.5	213	3 US-09-996-288-239
19	1043	94.5	213	3 US-09-996-288-241
20	1043	94.5	213	3 US-09-996-288-247
21	1043	94.5	213	3 US-09-996-265-233
22	1043	94.5	213	3 US-09-996-265-239
23	1043	94.5	213	3 US-09-996-265-241
24	1043	94.5	213	3 US-09-996-265-247
25	1043	94.5	213	5 US-10-900-230-233
26	1043	94.5	213	5 US-10-900-230-239
27	1043	94.5	213	5 US-10-900-230-241

RESULT 1
US-10-822-300-118
Sequence 118, Application US/10822300
; Publication No. US2005014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FcRN BINDING AFFINITIES OR SERUM HALF-LIVES OF
; ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US-10-822-300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 118
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-822-300-118

Query Match 100.0%; Score 1104; DB 5; Length 213;
Best Local Similarity 100.0%; Pred. No. 1.3e-58; 0; Mismatches 0; Indels 0; Gaps 0;

Matches 213; Conservatory 0;

RESULT 2
US-10-947-432-1
Sequence 1, Application US/10947432
; Publication No. US20050089517A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Shames, Richard S
; TITLE OF INVENTION: TREATMENT OF RESPIRATORY DISEASES WITH ANTI-IL-2 RECEPTOR
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 05882.0207.NPUS02

CURRENT APPLICATION NUMBER: US/10/947,432

CURRENT FILING DATE: 2005-09-21

PRIOR APPLICATION NUMBER: US 60/505,883

PRIOR FILING DATE: 2003-09-23

PRIOR APPLICATION NUMBER: US 60/552,974

PRIOR FILING DATE: 2004-03-12

NUMBER OF SEQ ID NOS: 2

SOFTWARE: Patentin version 3.2

SEQ ID NO: 1

LENGTH: 213

TYPE: PRT

ORGANISM: Artificial

FEATURE:

OTHER INFORMATION: Humanized antibody

US-10-947-432-1

RESULT 3

Query Match 100.0%; Score 1104; DB 5; Length 213;

Best Local Similarity 100.0%; Pred. No. 1.3e-58; Mismatches 0; Indels 0; Gaps 0;

Matches 213; Conservative 0; MisMatches 0; Del 0; Insert 0;

Qy 1 DIQMTQSPSLSASVGDRTTCSASSSVITAWYQKPGKAPKLITYTSSLSSLTIL 60

Db 1 DIQMTQSPSLSASVGDRTTCSASSSVITAWYQKPGKAPKLITYTSSLSSLTIL 60

Qy 61 FSGSGSGTETLTLISLQPDPAATYCHQRSYPLTQGQTKVEKRTVAASVIRPPS 120

Db 61 FSGSGSGTETLTLISLQPDPAATYCHQRSYPLTQGQTKVEKRTVAASVIRPPS 120

Qy 121 DEQLKSGTASVCLNNFYPREAKVQKVNDALQGSNSQESVTEQDSKDSITSLSSLTIL 180

Db 121 DEQLKSGTASVCLNNFYPREAKVQKVNDALQGSNSQESVTEQDSKDSITSLSSLTIL 180

Qy 181 SKADYEGHKVYACEVTHQGLSSPVTKSFRNGEC 213

Db 181 SKADYEGHKVYACEVTHQGLSSPVTKSFRNGEC 213

Qy 181 SKADYEGHKVYACEVTHQGLSSPVTKSFRNGEC 213

Db 181 SKADYEGHKVYACEVTHQGLSSPVTKSFRNGEC 213

RESULT 3

US-09-910-059-52

Sequence 52, Application US/09910059

Patent No. US2002142359A1

GENERAL INFORMATION:

APPLICANT: GTC Biotherapeutics, Inc.

APPLICANT: Edge, Michael D

APPLICANT: Pollock, Daniel

APPLICANT: Echelard, Yann

APPLICANT: Meade, Harry M

APPLICANT: Rybak, Susanna M

TITLE OF INVENTION: Transgenically Produced Fusion Proteins

FILE REFERENCE: GTC-42D

CURRENT APPLICATION NUMBER: US/10/608,710

CURRENT FILING DATE: 2003-06-27

PRIOR APPLICATION NUMBER: US 09/398,610

PRIOR FILING DATE: 1999-09-17

NUMBER OF SEQ ID NOS: 11

SOFTWARE: Patentin version 3.2

SEQ ID NO: 2

LENGTH: 235

TYPE: PRT

ORGANISM: Artificial

FEATURE:

OTHER INFORMATION: complete humanised light chain sequence

US-10-608-710-2

RESULT 4

Query Match 95.7%; Score 1057; DB 4; Length 235;

Best Local Similarity 93.9%; Pred. No. 9e-56; Mismatches 3; Indels 0; Gaps 0;

Matches 200; Conservative 10; MisMatches 3; Del 0; Insert 0;

Qy 1 DIQMTQSPSLSASVGDRTTCSASSSVITAWYQKPGKAPKLITYTSSLSSLTIL 60

Db 1 DIQMTQSPSLSASVGDRTTCSASSSVITAWYQKPGKAPKLITYTSSLSSLTIL 60

Qy 23 DIQMTQSPSLSASVGDRTTCSASSSVITAWYQKPGKAPKLITYTSSLSSLTIL 82

Db 23 DIQMTQSPSLSASVGDRTTCSASSSVITAWYQKPGKAPKLITYTSSLSSLTIL 82

Qy 61 FSGSGSGTETLTLISLQPDPAATYCHQRSYPLTQGQTKVEKRTVAASVIRPPS 120

Db 61 FSGSGSGTETLTLISLQPDPAATYCHQRSYPLTQGQTKVEKRTVAASVIRPPS 120

Qy 83 FSGSGSGTETLTLISLQPDPAATYCHQRSYPLTQGQTKVEKRTVAASVIRPPS 142

Db 83 FSGSGSGTETLTLISLQPDPAATYCHQRSYPLTQGQTKVEKRTVAASVIRPPS 142

Qy 121 DEQLKSGTASVCLNNFYPREAKVQKVNDALQGSNSQESVTEQDSKDSITSLSSLTIL 180

Db 121 DEQLKSGTASVCLNNFYPREAKVQKVNDALQGSNSQESVTEQDSKDSITSLSSLTIL 180

Qy 143 DEQLKSGTASVCLNNFYPREAKVQKVNDALQGSNSQESVTEQDSKDSITSLSSLTIL 202

Db 143 DEQLKSGTASVCLNNFYPREAKVQKVNDALQGSNSQESVTEQDSKDSITSLSSLTIL 202

Qy 181 SKADYEGHKVYACEVTHQGLSSPVTKSFRNGEC 213

Db 181 SKADYEGHKVYACEVTHQGLSSPVTKSFRNGEC 213

RESULT 5

US-09-910-059-99

Sequence 99, Application US/09910059

Patent No. US2002142359A1

GENERAL INFORMATION:

APPLICANT: Copley, Clive G

APPLICANT: Edge, Michael Derek

APPLICANT: Emery, Stephen Charles

TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody

TITLE OF INVENTION: Their Therapeutic use in an Adept System

FILE REFERENCE: 1991-209

CURRENT APPLICATION NUMBER: US/09/910,059

CURRENT FILING DATE: 2001-07-23

PRIOR APPLICATION NUMBER: US 09/171,945

PRIOR FILING DATE: 1998-10-29

PRIOR APPLICATION NUMBER: PCT/GB97/01165

PRIOR FILING DATE: 1997-04-29

PRIOR APPLICATION NUMBER: GB 9703103.3

PRIOR FILING DATE: 1997-02-14

PRIOR APPLICATION NUMBER: GB9609405.7

PRIOR FILING DATE: 1996-05-04

NUMBER OF SEQ ID NOS: 131

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 99

LENGTH: 235

TYPE: PRT

ORGANISM: Artificial sequence

FEATURE: OTHER INFORMATION: humanised light chain Fd sequence

US-09-910-059-99

Query Match Best Local Similarity 95.2%; Score 1051; DB 3; Length 235; Matches 199; Conservative 10; Mismatches 4; Indels 0; Gaps 0; Qy 1 DIQMTQSPSFLSASVGRVITCASSSISYMHWYQKPGKAPKLIYTTSNLASGVPAR 60 Db 23 DIQMTQSPSFLSASVGRVITCASSSISYMHWYQKPGKAPKLIYTTSNLASGVPSR 82

Qy 61 PSSGGSGTETFLTISLQDDPATYCQHRSYPLTFCQGKIVKVEKRTVAPSVTIFPPS 120 Db 83 PSSGGSGTETFLTISLQDDPATYCQHRSYPLTFCQGKIVKVEKRTVAPSVTIFPPS 142

Qy 121 DEQIKSGTASVCLANNFYPREAKYQWVNDALOGNSNSQSVTEQSKDOSTYSLSTL 180 Db 143 DEQIKSGTASVCLANNFYPREAKYQWVNDALOGNSNSQSVTEQSKDOSTYSLSTL 202

Qy 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213 Db 203 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 235

RESULT 6

US-09-996-288-231

Sequence 231, Application US/09996288

PATENT NO. US20050177126A1

GENERAL INFORMATION:

APPLICANT: Young, James

APPLICANT: Scott, Koenig

APPLICANT: Leslie, Johnson

APPLICANT: Leslie, Koenig

APPLICANT: Johnson

TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis

TITLE OF INVENTION: and Treatment

FILE REFERENCE: 10271-048-999

CURRENT FILING DATE: 2001-11-28

NUMBER OF SEQ ID NOS: 259

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 231

LENGTH: 213

TYPE: PRT

ORGANISM: Homo sapiens

US-09-996-265-231

Query Match Best Local Similarity 95.0%; Score 1049; DB 3; Length 213; Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0; Qy 1 DIQMTQSPSFLSASVGRVITCASSSISYMHWYQKPGKAPKLIYTTSNLASGVPAR 60 Db 61 PSSGGSGTETFLTISLQDDPATYCQHRSYPLTFCQGKIVKVEKRTVAPSVTIFPPS 120

Db 61 PSSGGSGTETFLTISLQDDPATYCQHRSYPLTFCQGKIVKVEKRTVAPSVTIFPPS 142

Qy 121 DEQIKSGTASVCLANNFYPREAKYQWVNDALOGNSNSQSVTEQSKDOSTYSLSTL 180 Db 121 DEQIKSGTASVCLANNFYPREAKYQWVNDALOGNSNSQSVTEQSKDOSTYSLSTL 180

Qy 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213 Db 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 7

US-09-996-265-231

Sequence 231, Application US/09996285

PUBLICATION NO. US200310091584A1

GENERAL INFORMATION:

APPLICANT: Young, James

APPLICANT: Scott, Koenig

APPLICANT: Leslie, Johnson

APPLICANT: Leslie, Koenig

APPLICANT: Johnson

TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis

TITLE OF INVENTION: and Treatment

FILE REFERENCE: 10271-048-999

CURRENT FILING DATE: 2001-11-28

NUMBER OF SEQ ID NOS: 259

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 231

LENGTH: 213

TYPE: PRT

ORGANISM: Homo sapiens

US-09-996-265-231

Query Match Best Local Similarity 94.8%; Score 1049; DB 3; Length 213; Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0; Qy 1 DIQMTQSPSFLSASVGRVITCASSSISYMHWYQKPGKAPKLIYTTSNLASGVPAR 60 Db 61 PSSGGSGTETFLTISLQDDPATYCQHRSYPLTFCQGKIVKVEKRTVAPSVTIFPPS 120

Db 61 PSSGGSGTETFLTISLQDDPATYCQHRSYPLTFCQGKIVKVEKRTVAPSVTIFPPS 142

Qy 121 DEQIKSGTASVCLANNFYPREAKYQWVNDALOGNSNSQSVTEQSKDOSTYSLSTL 180 Db 121 DEQIKSGTASVCLANNFYPREAKYQWVNDALOGNSNSQSVTEQSKDOSTYSLSTL 180

Qy 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213 Db 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 8

US-10-900-230-231

Sequence 231, Application US/10000230

PUBLICATION NO. US20050002926A1

GENERAL INFORMATION:

APPLICANT: Young, James

APPLICANT: Scott, Koenig

APPLICANT: Leslie, Johnson

APPLICANT: Leslie, Koenig

APPLICANT: Johnson

TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis

TITLE OF INVENTION: and Treatment

FILE REFERENCE: 10271-048-999

CURRENT APPLICATION NUMBER: US/10/900,230

CURRENT FILING DATE: 2004-07-26

PRIOR APPLICATION NUMBER: US/09/996,265

PRIOR FILING DATE: 2001-11-28

NUMBER OF SEQ ID NOS: 259

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 231

LENGTH: 213

; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-900-230-231

 Query Match 95.0%; Score 1049; DB 5; Length 213;
 Best Local Similarity 94.8%; Pred. No. 2.5e-55; Mismatches 8; Indels 0; Gaps 0;
 Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

 Qy 1 DIQMTQSPSTLSSASVGDRVITCSASSISYMMHQQKPKAPKLILYITTSNLASGVPAR 60
 Db 1 DIQMTQSPSTLSSASVGDRVITCSASSISYMMHQQKPKAPKLILYITTSNLASGVPAR 60

 Qy 61 FSGSGSGTERTLTSSLQDDPATYCQHORSTYPLTFCQSGTKEVKTVAAPSVFIFPPS 120
 Db 61 FSGSGSGTERTLTSSLQDDPATYCQHORSTYPLTFCQSGTKEVKTVAAPSVFIFPPS 120

 Qy 121 DEQLKSGTASVCLNNFYPREAKVQWQVNDNALQSGNSQSVTEQDSKDTSYLSLTU 180
 Db 121 DEQLKSGTASVCLNNFYPREAKVQWQVNDNALQSGNSQSVTEQDSKDTSYLSLTU 180

 Qy 181 SKADYEHKHYACETHQGLSSPVTKSFRGEC 213
 Db 181 SKADYEHKHYACETHQGLSSPVTKSFRGEC 213

RESULT 9
 US-10-962-285-231
 ; Sequence 231, Application US/10962285
 ; Publication No. US20050147616A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Young, James
 ; APPLICANT: Scott, Koenig
 ; APPLICANT: Leslie, Johnson
 ; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
 ; TITLE OF INVENTION: and Treatment
 ; FILE REFERENCE: 10271-047-999
 ; CURRENT APPLICATION NUMBER: US/10/962,285
 ; PRIORITY FILING DATE: 2004-10-08
 ; PRIORITY APPLICATION NUMBER: US/09/996,288
 ; NUMBER OF SEQ ID NOS: 259
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 231
 ; LENGTH: 213
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-962-285-231

 Query Match 95.0%; Score 1049; DB 5; Length 213;
 Best Local Similarity 94.8%; Pred. No. 2.5e-55; Mismatches 8; Indels 0; Gaps 0;
 Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

 Qy 1 DIQMTQSPSTLSSASVGDRVITCSASSISYMMHQQKPKAPKLILYITTSNLASGVPAR 60
 Db 1 DIQMTQSPSTLSSASVGDRVITCSASSISYMMHQQKPKAPKLILYITTSNLASGVPAR 60

 Qy 61 FSGSGSGTERTLTSSLQDDPATYCQHORSTYPLTFCQSGTKEVKTVAAPSVFIFPPS 120
 Db 61 FSGSGSGTERTLTSSLQDDPATYCQHORSTYPLTFCQSGTKEVKTVAAPSVFIFPPS 120

RESULT 10
 US-10-403-180-231
 ; Sequence 231, Application US/10403180
 ; Publication No. US20050196749A1

 Query Match 94.6%; Score 1044; DB 3; Length 213;
 Best Local Similarity 94.4%; Pred. No. 4.9e-5; Mismatches 9; Indels 0; Gaps 0;
 Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

 Qy 121 DEQLKSGTASVCLNNFYPREAKVQWQVNDNALQSGNSQSVTEQDSKDTSYLSLTU 180
 Db 121 DEQLKSGTASVCLNNFYPREAKVQWQVNDNALQSGNSQSVTEQDSKDTSYLSLTU 180

 Qy 181 SKADYEHKHYACETHQGLSSPVTKSFRGEC 213
 Db 181 SKADYEHKHYACETHQGLSSPVTKSFRGEC 213

RESULT 11
 US-10-996-288-255
 ; Sequence 255, Application US/09996288
 ; Patent No. US20020177126A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Young, James
 ; APPLICANT: Scott, Koenig
 ; APPLICANT: Leslie, Johnson
 ; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
 ; TITLE OF INVENTION: and Treatment
 ; FILE REFERENCE: 10271-047-999
 ; CURRENT APPLICATION NUMBER: US/09/996,288
 ; PRIORITY FILING DATE: 2001-11-28
 ; NUMBER OF SEQ ID NOS: 259
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 255
 ; LENGTH: 213
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-996-288-255

 Query Match 94.6%; Score 1044; DB 3; Length 213;
 Best Local Similarity 94.4%; Pred. No. 4.9e-5; Mismatches 9; Indels 0; Gaps 0;
 Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

 Qy 1 DIQMTQSPSTLSSASVGDRVITCSASSISYMMHQQKPKAPKLILYITTSNLASGVPAR 60
 Db 1 DIQMTQSPSTLSSASVGDRVITCSASSISYMMHQQKPKAPKLILYITTSNLASGVPAR 60

 Qy 61 FSGSGSGTERTLTSSLQDDPATYCQHORSTYPLTFCQSGTKEVKTVAAPSVFIFPPS 120
 Db 61 FSGSGSGTERTLTSSLQDDPATYCQHORSTYPLTFCQSGTKEVKTVAAPSVFIFPPS 120

 Qy 61 FSGSGSGTERTLTSSLQDDPATYCQHORSTYPLTFCQSGTKEVKTVAAPSVFIFPPS 120
 Db 61 FSGSGSGTERTLTSSLQDDPATYCQHORSTYPLTFCQSGTKEVKTVAAPSVFIFPPS 120

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QY 121 DRQKSGTASVCLANNPFYPREAKVQMVNDALQSGNSQESTEODSKDSTYLSLSLT 180
Db 121 DRQKSGTASVCLANNPFYPREAKVQMVNDALQSGNSQESTEODSKDSTYLSLSLT 180
QY 181 SKADYERHKVYACEVTHQGLSSPVTKSFRNRC 213
Db 181 SKADYERHKVYACEVTHQGLSSPVTKSFRNRC 213

RESULT 12
US-09-996-265-255
; Sequence 255, Application US/09/996/265
; Publication No. US20030091584A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/10/996, 265
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 255
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-996-265-255

Query Match 94.6%; Score 1044; DB 3; Length 213;
Best Local Similarity 94.4%; Pred. No. 4. 9e-55; Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLISASVGDRVTITCSASSISYMWYQOKPGKAKPLIYTTSNLASGVPAR 60
Db 1 DIQMTQSPSTLISASVGDRVTITCSASSISYMWYQOKPGKAKPLIYTTSNLASGVPAR 60
QY 61 FSGSGSGTETFLTISQLPDPATYCHORSTYPLFGQGKVKVERTVAPSVFPPS 120
Db 61 FSGSGSGTETFLTISQLPDPATYCHORSTYPLFGQGKVKVERTVAPSVFPPS 120
QY 61 FSGSGSGTETFLTISQLPDPATYCFQGSGYPPFGGKVKVERTVAPSVFPPS 120
Db 61 FSGSGSGTETFLTISQLPDPATYCFQGSGYPPFGGKVKVERTVAPSVFPPS 120

RESULT 13
US-10-900-230-255
; Sequence 255, Application US/10/900/230
; Publication No. US2005002926A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/10/900, 230
; CURRENT FILING DATE: 2004-10-08
; PRIORITY APPLICATION NUMBER: US/09/996, 288
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 255
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-900-230-255

Query Match 94.6%; Score 1044; DB 5; Length 213;
Best Local Similarity 94.4%; Pred. No. 4. 9e-55; Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLISASVGDRVTITCSASSISYMWYQOKPGKAKPLIYTTSNLASGVPAR 60
Db 1 DIQMTQSPSTLISASVGDRVTITCSASSISYMWYQOKPGKAKPLIYTTSNLASGVPAR 60
QY 61 FSGSGSGTETFLTISQLPDPATYCHORSTYPLFGQGKVKVERTVAPSVFPPS 120
Db 61 FSGSGSGTETFLTISQLPDPATYCHORSTYPLFGQGKVKVERTVAPSVFPPS 120
QY 121 DRQKSGTASVCLANNPFYPREAKVQMVNDALQSGNSQESTEODSKDSTYLSLSLT 180
Db 121 DRQKSGTASVCLANNPFYPREAKVQMVNDALQSGNSQESTEODSKDSTYLSLSLT 180
QY 181 SKADYERHKVYACEVTHQGLSSPVTKSFRNRC 213
Db 181 SKADYERHKVYACEVTHQGLSSPVTKSFRNRC 213

RESULT 14
US-10-962-285-255
; Sequence 255, Application US/10/962/285
; Publication No. US20050147616A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/10/962, 285
; CURRENT FILING DATE: 2004-10-08
; PRIORITY APPLICATION NUMBER: US/09/996, 288
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 255
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-962-285-255

Query Match 94.6%; Score 1044; DB 5; Length 213;
Best Local Similarity 94.4%; Pred. No. 4. 9e-55; Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLISASVGDRVTITCSASSISYMWYQOKPGKAKPLIYTTSNLASGVPAR 60
Db 1 DIQMTQSPSTLISASVGDRVTITCSASSISYMWYQOKPGKAKPLIYTTSNLASGVPAR 60
QY 61 FSGSGSGTETFLTISQLPDPATYCHORSTYPLFGQGKVKVERTVAPSVFPPS 120
Db 61 FSGSGSGTETFLTISQLPDPATYCHORSTYPLFGQGKVKVERTVAPSVFPPS 120
QY 121 DRQKSGTASVCLANNPFYPREAKVQMVNDALQSGNSQESTEODSKDSTYLSLSLT 180
Db 121 DRQKSGTASVCLANNPFYPREAKVQMVNDALQSGNSQESTEODSKDSTYLSLSLT 180
QY 181 SKADYERHKVYACEVTHQGLSSPVTKSFRNRC 213
Db 181 SKADYERHKVYACEVTHQGLSSPVTKSFRNRC 213

RESULT 15
US-10-403-180-255
; Sequence 255, Application US/10/403/180
; Publication No. US20050196749A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/10/900, 265
; CURRENT FILING DATE: 2004-07-26
; PRIORITY APPLICATION NUMBER: US/09/996, 265
; PRIOR FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 255
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-900-230-255

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; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-064-999
; CURRENT APPLICATION NUMBER: US/10/403,180
; CURRENT FILING DATE: 2003-03-31
; PRIORITY APPLICATION NUMBER: 60/368,729
; PRIORITY FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 255
; LENGTH: 213
; ORGANISM: Homo sapiens
; TYPE: PRT
; US-10-403-160-255

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Qy 61 FSGSGSGTETTLTSSLQPDFATYCHQSTYPLTFGQCTKVEKRTVAPSPVIFPPS 120
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Qy 121 DEQLKSGTASVCLANFYREAKYQWKVUNALOGNSGTSOSVTEODSKDSTSISSTTL 180
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Qy 181 SKADYEKHKVYACEVTHQGQSSPVTKSENGEC 213
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Search completed: May 15, 2006, 12:02:43
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Copyright (c) 1993 - 2006 Bioceleration Ltd.														
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3	1026	92.9	213	10	US-11-254-182-63	Sequence 63, AppI	US-11-102-621-118							
4	1026	92.9	213	11	US-11-120-338-13	Sequence 13, AppI	Application US-1102621							
5	1026	92.9	213	11	US-11-107-328-31	Sequence 31, AppI	Publication 118, Application US-1102621							
6	1026	92.9	213	11	US-11-106-820-24	Sequence 31, AppI	; GENERAL INFORMATION:							
7	1026	92.9	213	11	US-11-143-077-13	Sequence 13, AppI	; APPLICANT: Protein Design Labs, Inc.							
8	1026	92.9	213	11	US-11-143-386-13	Sequence 13, AppI	; APPLICANT: Hinton, Paul R.							
9	1026	92.9	213	11	US-11-187-364-13	Sequence 13, AppI	; APPLICANT: Tsurushita, Naoya							
10	1026	92.9	213	11	US-11-208-422-26	Sequence 26, AppI	; APPLICANT: Tsao, J. Yun							
11	1026	92.9	232	11	US-11-106-820-23	Sequence 23, AppI	; APPLICANT: Vasquez, Maximiliano							
12	1026	92.9	232	11	US-11-190-344-21	Sequence 21, AppI	; TITLE OF INVENTION: ALTERATION OF FcRn BINDING							
13	1026	92.9	232	11	US-11-147-780-21	Sequence 21, AppI	; TITLE OF INVENTION: ANTIbODIES BY MUTAGENESIS							
14	1026	92.9	213	10	US-11-254-182-64	Sequence 64, AppI	; TITLE OF INVENTION: ANTIbODIES BY MUTAGENESIS							
15	1020	92.4	213	11	US-11-120-338-16	Sequence 16, AppI	; CURRENT APPLICATION NUMBER: US/11/102,621							
16	1020	92.4	213	11	US-11-102-621-135	Sequence 135, AppI	; CURRENT FILING DATE: 2005-04-08							
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; GENERAL INFORMATION:														
; APPLICANT: Protein Design Labs, Inc.														
; APPLICANT: Hinton, Paul R.														
; APPLICANT: Tsurushita, Naoya														
; APPLICANT: Tsao, J. Yun														
; APPLICANT: Vasquez, Maximiliano														
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; TITLE OF INVENTION: ANTIbODIES BY MUTAGENESIS														
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GenCore version 5.1.8
 Copyright (c) 1993 - 2006 Biocceleration Ltd.
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 Run on: May 15, 2006, 11:59:14 ; Search time 12.2822 Seconds
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Total number of hits satisfying chosen parameters: 250354
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Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULTS

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5	1026	92.9	213	11 US-11-107-028-31
6	1026	92.9	213	11 US-11-106-820-24
7	1026	92.9	213	11 US-11-143-077-13
8	1026	92.9	213	11 US-11-143-386-13
9	1026	92.9	213	11 US-11-187-364-13
10	1026	92.9	213	11 US-11-208-422-26
11	1026	92.9	232	11 US-11-106-820-23
12	1026	92.9	232	11 US-11-190-364-21
13	1026	92.9	232	11 US-11-147-780-21
14	1020	92.4	213	10 US-11-254-182-64
15	1020	92.4	213	11 US-11-120-338-16
16	1020	92.4	213	11 US-11-102-621-135
17	1020	92.4	213	11 US-11-107-028-44
18	1020	92.4	213	11 US-11-106-820-29
19	1020	92.4	213	11 US-11-106-820-44
20	1020	92.4	213	11 US-11-143-077-16
21	1020	92.4	213	11 US-11-143-386-16

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1104	100.0	213	11 US-11-102-621-118
2	1057	95.7	235	11 US-11-166-994-2
3	1026	92.9	213	10 US-11-254-182-63
4	1026	92.9	213	11 US-11-120-338-13
5	1026	92.9	213	11 US-11-107-028-31
6	1026	92.9	213	11 US-11-106-820-24
7	1026	92.9	213	11 US-11-143-077-13
8	1026	92.9	213	11 US-11-143-386-13
9	1026	92.9	213	11 US-11-187-364-13
10	1026	92.9	213	11 US-11-208-422-26
11	1026	92.9	232	11 US-11-106-820-23
12	1026	92.9	232	11 US-11-190-364-21
13	1026	92.9	232	11 US-11-147-780-21
14	1020	92.4	213	10 US-11-254-182-64
15	1020	92.4	213	11 US-11-120-338-16
16	1020	92.4	213	11 US-11-102-621-135
17	1020	92.4	213	11 US-11-107-028-44
18	1020	92.4	213	11 US-11-106-820-29
19	1020	92.4	213	11 US-11-106-820-44
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5	1026	92.9	213	11 US-11-107-028-31
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7	1026	92.9	213	11 US-11-143-077-13
8	1026	92.9	213	11 US-11-143-386-13
9	1026	92.9	213	11 US-11-187-364-13
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11	1026	92.9	232	11 US-11-106-820-23
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13	1026	92.9	232	11 US-11-147-780-21
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; OTHER INFORMATION: Sequence is synthesized.
; US-11-254-182-63

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; Sequence 2, Application US/11166994
; Publication No. US2005002695A1
; GENERAL INFORMATION:
; APPLICANT: GTC Biotherapeutics, Inc.
; APPLICANT: Edge, Michael D
; APPLICANT: Pollock, Daniel
; APPLICANT: Echelard, Yann
; APPLICANT: Made, Harry M
; APPLICANT: Rybok, Susanna M
; TITLE OF INVENTION: Transgenically Produced Fusion Proteins
; FILE REFERENCE: GTC-42D
; CURRENT APPLICATION NUMBER: US/11/166,994
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: US/10/608,710
; PRIOR FILING DATE: 2003-06-27
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin version 3.2
SEQ ID NO: 2
LENGTH: 235
TYPE: PRT
FEATURE:
; OTHER INFORMATION: complete humanised light chain sequence
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Best Local Similarity 93.9%; Pred. No. 1.5e-63; Mismatches 6; Indels 0; Gaps 0;
Matches 200; Conservative 10; Mismatches 3; Indels 0; Gaps 0;
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Db 23 DIQWTOSPSPLASAVGDRVITCSASSISYMWYQKPGKAKPLIYTTSNLASGPAR 82
QY 61 FSGGGSGTETLTISLQPDPAFTYCHQHORSTPLTPTFGQGQTKVEKRTVAAPSPVIFPPS 120
Db 83 FSGGGSGTETLTISLQPDPAFTYCHQHORSTPLTPTFGQGQTKVEKRTVAAPSPVIFPPS 142
QY 121 DEQIKSGTASVCLNNFYPREAKWQKVNDAQSGNSQESVTEQDSKOSTSLSSTTL 180
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; Sequence 13, Application US/11120338
; Publication No. US2005027165A1
; GENERAL INFORMATION:
; APPLICANT: BRUNETTA, PAUL G.
; APPLICANT: GREWAL, IOBAL S.
; APPLICANT: WALICKE, PATRICIA A.
; TITLE OF INVENTION: PREVENTING AUTOIMMUNE DISEASE
; FILE REFERENCE: P2079R2
; CURRENT APPLICATION NUMBER: US/11/120,338
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: US 60/568,460
; PRIOR FILING DATE: 2004-05-05
; NUMBER OF SEQ ID NOS: 25
; SEQ ID NO: 13
; LENGTH: 213
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; OTHER INFORMATION: Sequence is synthesized
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Best Local Similarity 93.0%; Pred. No. 1.5e-61; Mismatches 6; Indels 0; Gaps 0;
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QY 61 FSGGGSGTETLTISLQPDPAFTYCHQHORSTPLTPTFGQGQTKVEKRTVAAPSPVIFPPS 120
Db 121 DEQIKSGTASVCLNNFYPREAKWQKVNDAQSGNSQESVTEQDSKOSTSLSSTTL 180
QY 181 SKADYEKHKVYACETVTHQGLSSPVTKSFNRGEC 213
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; Publication No. US20050276803A1
; GENERAL INFORMATION:

; OTHER INFORMATION: Sequence 19 is synthesized.
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QY 61 FSGGGSGTETLTISLQPDPAFTYCHQHORSTPLTPTFGQGQTKVEKRTVAAPSPVIFPPS 120
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Db 181 SKADYEKHKVYACETVTHQGLSSPVTKSFNRGEC 235
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; Sequence 63, Application US/11244182
; Publication No. US20050088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GWEE, SHANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2109R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO: 63
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:

APPLICANT: CHAN, ANDREW C.
 APPLICANT: GONG, QIAN
 TITLE OF INVENTION: Method for Augmenting B Cell Depletion
 FILE REFERENCE: P211221
 CURRENT APPLICATION NUMBER: US/11/107, 028
 CURRENT FILING DATE: 2005-04-15
 PRIOR APPLICATION NUMBER: US 60/563, 263
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 ORGANISM: Artificial sequence
 FEATURE:
 OTHER INFORMATION: Sequence is synthesized
 US-11-107-028-31

Query Match 92.9%; Score 1026; DB 11; Length 213;
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 Db 1 DIQWQSPSPSLSASVGDRVITCSASSISYMMWYQKRGKAPKLLIYTTSNLASGVPAR 60
 Qy 61 FSGSGSGTPTLITSSLOPDPATYCOQWSFNPPFGQTKVEIKRTVAAPSVFIPPS 120
 Db 61 FSGSGSGTPTLITSSLOPDPATYCOQWSFNPPFGQTKVEIKRTVAAPSVFIPPS 120
 Qy 121 DEQIKSGTASVCLANNFPREAKYQWQKNDALQSGNSOBSVTEQDSKOSTYSLSTL 180
 Db 121 DEQIKSGTASVCLANNFPREAKYQWQKNDALQSGNSOBSVTEQDSKOSTYSLSTL 180
 Qy 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213
 Db 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 6
 US-11-106-820-24
 Sequence 24, Application US/11/06820
 Publication No. US20060002930A1
 GENERAL INFORMATION:
 APPLICANT: BRUNETTA, PAUL G.
 APPLICANT: SEWELL, KATHRYN L.
 TITLE OF INVENTION: Treatment of Disorders
 FILE REFERENCE: P2110281
 CURRENT APPLICATION NUMBER: US/11/106, 820
 CURRENT FILING DATE: 2005-04-15
 PRIOR APPLICATION NUMBER: US 60/563, 227
 PRIOR FILING DATE: 2004-04-16
 PRIOR APPLICATION NUMBER: US 60/565, 098
 PRIOR FILING DATE: 2004-04-22
 NUMBER OF SEQ ID NOS: 45
 SEQ ID NO 24
 LENGTH: 213
 TYPE: PRT
 ORGANISM: Artificial sequence
 FEATURE:
 OTHER INFORMATION: sequence is synthesized
 US-11-106-820-24

Query Match 92.9%; Score 1026; DB 11; Length 213;
 Best Local Similarity 93.0%; Pred. No. 1.5e-61; Mismatches 6; Indels 0; Gaps 0;
 Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIQWQSPSPSLSASVGDRVITCSASSISYMMWYQKRGKAPKLLIYTTSNLASGVPAR 60
 Db 1 DIQWQSPSPSLSASVGDRVITCSASSISYMMWYQKRGKAPKLLIYTTSNLASGVPAR 60
 Qy 61 FSGSGSGTPTLITSSLOPDPATYCOQWSFNPPFGQTKVEIKRTVAAPSVFIPPS 120
 Db 61 FSGSGSGTPTLITSSLOPDPATYCOQWSFNPPFGQTKVEIKRTVAAPSVFIPPS 120
 Qy 121 DEQIKSGTASVCLANNFPREAKYQWQKNDALQSGNSOBSVTEQDSKOSTYSLSTL 180
 Db 121 DEQIKSGTASVCLANNFPREAKYQWQKNDALQSGNSOBSVTEQDSKOSTYSLSTL 180
 Qy 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213
 Db 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 7
 US-11-143-077-13
 Sequence 13, Application US/11143077
 Publication No. US20060024295A1
 GENERAL INFORMATION:
 APPLICANT: Brunetta, Paul G.
 TITLE OF INVENTION: METHOD FOR TREATING LUPUS
 FILE REFERENCE: P2133R1
 CURRENT APPLICATION NUMBER: US/11/143, 077
 PRIOR APPLICATION NUMBER: US 60/577, 235
 PRIOR FILING DATE: 2004-06-04
 PRIOR APPLICATION NUMBER: US 60/617, 997
 PRIOR FILING DATE: 2004-10-11
 NUMBER OF SEQ ID NOS: 24
 SEQ ID NO 13
 LENGTH: 213
 TYPE: PRT
 ORGANISM: Artificial sequence
 FEATURE:
 OTHER INFORMATION: Sequence is synthesized
 US-11-143-077-13

Query Match 93.9%; Score 1026; DB 11; Length 213;
 Best Local Similarity 93.0%; Pred. No. 1.5e-61; Mismatches 6; Indels 0; Gaps 0;
 Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIQWQSPSPSLSASVGDRVITCSASSISYMMWYQKRGKAPKLLIYTTSNLASGVPAR 60
 Db 1 DIQWQSPSPSLSASVGDRVITCSASSISYMMWYQKRGKAPKLLIYTTSNLASGVPAR 60
 Qy 61 FSGSGSGTPTLITSSLOPDPATYCOQWSFNPPFGQTKVEIKRTVAAPSVFIPPS 120
 Db 61 FSGSGSGTPTLITSSLOPDPATYCOQWSFNPPFGQTKVEIKRTVAAPSVFIPPS 120
 Qy 121 DEQIKSGTASVCLANNFPREAKYQWQKNDALQSGNSOBSVTEQDSKOSTYSLSTL 180
 Db 121 DEQIKSGTASVCLANNFPREAKYQWQKNDALQSGNSOBSVTEQDSKOSTYSLSTL 180
 Qy 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213
 Db 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 8
 US-11-143-386-13
 Sequence 13, Application US/11143386
 Publication No. US20060051345A1
 GENERAL INFORMATION:
 APPLICANT: RORNA, PAUL A.
 TITLE OF INVENTION: METHOD FOR TREATING MULTIPLE SCLEROSIS
 FILE REFERENCE: P2134R1
 CURRENT APPLICATION NUMBER: US/11/143, 386
 CURRENT FILING DATE: 2005-06-02
 PRIOR APPLICATION NUMBER: US 60/576, 993
 PRIOR FILING DATE: 2004-06-04
 NUMBER OF SEQ ID NOS: 25
 SEQ ID NO 13
 LENGTH: 213
 TYPE: PRT
 ORGANISM: Artificial sequence
 FEATURE:

; OTHER INFORMATION: Sequence is synthesized.

; US-11-143-386-13

Query Match 92.9%; Score 1026; DB 11; Length 213;

Best Local Similarity 93.0%; Pred. No. 1.5e-61; Mismatches 198; Conservative 6; Indels 0; Gaps 0;

Matches 198; Conservat 6; Mismatches 9; Indels 0; Gaps 0;

SEQ ID NO 26

FSGSGSGTDTFLTISLQPDPAFTYCHQSTYPLTFRGQTKVEKRTVAAPSVFIPPS

61 FSGSGSGTDTFLTISLQPDPAFTYCHQSTYPLTFRGQTKVEKRTVAAPSVFIPPS

121 DEQLSGTASVCLNPFYREAKYQWQVNDALQSGNSDVSVDQSKDSTSLSLTU

181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 9

US-11-187-364-13

Sequence 13, Application US/11187364

Publication No. US20000062787A1

GENERAL INFORMATION:

APPLICANT: Hitraya, Elena

TITLE OF INVENTION: METHOD FOR TREATING SJOEGREN'S SYNDROME

FILE REFERENCE: P2149R1

CURRENT APPLICATION NUMBER: US/11/187,364

PRIOR APPLICATION NUMBER: US 60/590,302

PRIOR FILING DATE: 2004-07-22

NUMBER OF SEQ ID NOS: 36

SEQ ID NO 13

LENGTH: 213

OTHER INFORMATION: Sequence is synthesized

; US-11-187-364-13

Query Match 92.9%; Score 1026; DB 11; Length 213;

Best Local Similarity 93.0%; Pred. No. 1.5e-61; Mismatches 198; Conservative 6; Indels 0; Gaps 0;

Matches 198; Conservat 6; Mismatches 9; Indels 0; Gaps 0;

SEQ ID NO 13

FSGSGSGTDTFLTISLQPDPAFTYCHQSTYPLTFRGQTKVEKRTVAAPSVFIPPS

61 FSGSGSGTDTFLTISLQPDPAFTYCHQSTYPLTFRGQTKVEKRTVAAPSVFIPPS

121 DEQLSGTASVCLNPFYREAKYQWQVNDALQSGNSDVSVDQSKDSTSLSLTU

181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 9

US-11-106-820-23

Sequence 23, Application US/1106820

Publication No. US20060002930A1

GENERAL INFORMATION:

APPLICANT: BRUNETTA, PAUL G

APPLICANT: SEMELL, KATHRYN L.

TITLE OF INVENTION: Treatment of Disorders

FILE REFERENCE: P2102R1

CURRENT APPLICATION NUMBER: US/11/106,820

PRIOR APPLICATION NUMBER: US 60/563,227

PRIOR FILING DATE: 2004-04-16

PRIOR APPLICATION NUMBER: US 60/565,098

PRIOR FILING DATE: 2004-04-22

NUMBER OF SEQ ID NOS: 45

SEQ ID NO 23

LENGTH: 232

OTHER INFORMATION: Sequence is synthesized

; US-11-106-820-23

Query Match 92.9%; Score 1026; DB 11; Length 232;

Best Local Similarity 93.0%; Pred. No. 1.7e-61; Mismatches 198; Conservative 6; Indels 0; Gaps 0;

Matches 198; Conservat 6; Mismatches 9; Indels 0; Gaps 0;

SEQ ID NO 23

FSGSGSGTDTFLTISLQPDPAFTYCHQSTYPLTFRGQTKVEKRTVAAPSVFIPPS

61 FSGSGSGTDTFLTISLQPDPAFTYCHQSTYPLTFRGQTKVEKRTVAAPSVFIPPS

121 DEQLSGTASVCLNPFYREAKYQWQVNDALQSGNSDVSVDQSKDSTSLSLTU

121 DEQLSGTASVCLNPFYREAKYQWQVNDALQSGNSDVSVDQSKDSTSLSLTU

180

181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 10

US-11-208-422-26

Sequence 26, Application US/11208422

Publication No. US20060067930A1

GENERAL INFORMATION:

APPLICANT: Adams, Camellia W.

APPLICANT: Lien, Samantha

APPLICANT: Lowman, Henry B.

APPLICANT: Marvin, Jonathan S.

APPLICANT: Meng, Yu-Ju G.

TITLE OF INVENTION: POLYPEPTIDE VARIANTS WITH ALTERED EFFECTOR FUNCTION

FILE REFERENCE: P2158R1

CURRENT FILING DATE: 2005-08-19

PRIOR APPLICATION NUMBER: US 60/603,057

NUMBER OF SEQ ID NOS: 54

SEQ ID NO 26

FSGSGSGTDTFLTISLQPDPAFTYCHQSTYPLTFRGQTKVEKRTVAAPSVFIPPS

61 FSGSGSGTDTFLTISLQPDPAFTYCHQSTYPLTFRGQTKVEKRTVAAPSVFIPPS

121 DEQLSGTASVCLNPFYREAKYQWQVNDALQSGNSDVSVDQSKDSTSLSLTU

180

181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 11

US-11-106-820-23

Sequence 23, Application US/1106820

Publication No. US20060002930A1

GENERAL INFORMATION:

APPLICANT: BRUNETTA, PAUL G

APPLICANT: SEMELL, KATHRYN L.

TITLE OF INVENTION: Treatment of Disorders

FILE REFERENCE: P2102R1

CURRENT APPLICATION NUMBER: US/11/106,820

PRIOR APPLICATION NUMBER: US 60/563,227

PRIOR FILING DATE: 2004-04-16

PRIOR APPLICATION NUMBER: US 60/565,098

PRIOR FILING DATE: 2004-04-22

NUMBER OF SEQ ID NOS: 45

SEQ ID NO 23

LENGTH: 232

OTHER INFORMATION: Sequence is synthesized

; US-11-106-820-23

Query Match 92.9%; Score 1026; DB 11; Length 232;

Best Local Similarity 93.0%; Pred. No. 1.7e-61; Mismatches 198; Conservative 6; Indels 0; Gaps 0;

Matches 198; Conservat 6; Mismatches 9; Indels 0; Gaps 0;

SEQ ID NO 23

FSGSGSGTDTFLTISLQPDPAFTYCHQSTYPLTFRGQTKVEKRTVAAPSVFIPPS

61 FSGSGSGTDTFLTISLQPDPAFTYCHQSTYPLTFRGQTKVEKRTVAAPSVFIPPS

121 DEQLSGTASVCLNPFYREAKYQWQVNDALQSGNSDVSVDQSKDSTSLSLTU

180

181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 12
US-11-190-364-21
; Sequence 21, Application US/11190364
; Publication No. US20060024300A1
; GENERAL INFORMATION:
; APPLICANT: Adams ET AL.
; TITLE OF INVENTION: Immunoglobulin Variants and Uses Thereof
; FILE REFERENCE: P19903C1P
; CURRENT APPLICATION NUMBER: US/11/190,364
; PRIOR APPLICATION NUMBER: US 6/434,115
; PRIOR FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: US 6/0/526,163
; PRIOR FILING DATE: 2003-12-01
; PRIOR APPLICATION NUMBER: PCT/US03/40426
; PRIOR FILING DATE: 2003-12-16
; PRIOR APPLICATION NUMBER: US 11/147,780
; PRIOR FILING DATE: 2005-06-07
; NUMBER OF SEQ ID NOS: 38
; SEQ ID NO 21
; LENGTH: 232

RESULT 13
US-11-190-364-21
; OTHER INFORMATION: Sequence is synthesized
; FEATURE:
; ORGANISM: Artificial sequence
; TYPE: PRT
; LENGTH: 232

Query Match 92.9%; Score 1026; DB 11; Length 232;
Best Local Similarity 93.0%; Pred. No. 1.7e-61; Indels 0; Gaps 0;
Matches 198; Conservative 6; Mismatches 0; Gaps 0;
Indels 0; Gaps 0;

Qy 1 DIQMTQSPSLSASVQDRVITCSASSISYMMWYQOKPGKAKPLIYTTSNLASGPVR 60
Db 20 DIQMTQSPSLSASVQDRVITCSASSISYMMWYQOKPGKAKPLIYTTSNLASGPVR 79

Qy 61 FSGSGSGTEFLITSSLQDPDATYCHORSTYPTFGQGKTVKRTVAAPSVPFPPS 120
Db 80 FSGSGSGTEFLITSSLQDPDATYCHORSTYPTFGQGKTVKRTVAAPSVPFPPS 139

Qy 121 DEQLKSGTASVCLNNFYPREAKVQWVQKVNALQSGNSQESVTEODSKDSTYSLSTLT 180
Db 140 DEQLKSGTASVCLNNFYPREAKVQWVQKVNALQSGNSQESVTEODSKDSTYSLSTLT 199

Qy 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213
Db 200 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 232

RESULT 14
US-11-254-182-64
; Sequence 64, Application US/11254182
; Publication No. US20060088223A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: LIU, JIN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; PRIOR APPLICATION NUMBER: US 6/0/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 64
; LENGTH: 213

Query Match 92.4%; Score 1020; DB 10; Length 213;
Best Local Similarity 92.0%; Pred. No. 3.9e-61; Indels 0; Gaps 0;
Matches 196; Conservative 8; Mismatches 0; Gaps 0;

Qy 1 DIQMTQSPSLSASVQDRVITCSASSISYMMWYQOKPGKAKPLIYTTSNLASGPVR 60
Db 1 DIQMTQSPSLSASVQDRVITCSASSISYMMWYQOKPGKAKPLIYTTSNLASGPVR 60

Qy 61 FSGSGSGTEFLITSSLQDPDATYCHORSTYPTFGQGKTVKRTVAAPSVPFPPS 120
Db 61 FSGSGSGTEFLITSSLQDPDATYCHORSTYPTFGQGKTVKRTVAAPSVPFPPS 120

Qy 121 DEQLKSGTASVCLNNFYPREAKVQWVQKVNALQSGNSQESVTEODSKDSTYSLSTLT 180
Db 121 DEQLKSGTASVCLNNFYPREAKVQWVQKVNALQSGNSQESVTEODSKDSTYSLSTLT 180

Qy 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

```

Db 181 |||||||SKADYEKHKYACEVTHQGLSSPVTKS|ENGEC 213
•
RESULT 15
US 11-120-338-16
; Sequence 16, Application US/1120338
; Publication No. US20050271658A1
; GENERAL INFORMATION:
; APPLICANT: BRUNETTA, PAUL G.
; APPLICANT: GREVAL, JOBAL S.
; APPLICANT: WALICKE, PATRICIA A.
; TITLE OF INVENTION: PREVENTING AUTOIMMUNE DISEASE
; FILE REFERENCE: P207R2
; CURRENT APPLICATION NUMBER: US/11/120,338
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: US 60/568,460
; PRIOR FILING DATE: 2004-05-05
; NUMBER OF SEQ ID NOS: 25
; SEQ ID NO 16
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: sequence is synthesized
; US-11-120-338-16

Query Match 92.4%; Score 1020; DB 11; Length 213;
Best Local Similarity 92.0%; Pred. No. 3.9e-61;
Matches 195; Conservative 8; Mismatches 9; Indels 0; Gaps 0;
Matches 195; Conservative 8; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIQMTQSPSFLSASVGDRVTITCSASSISYMWYQQKPRKAPKLIYTTSNLAGVPAR 60
Db 1 DIQMTQSPSSFLSASVGDRVTITCRASSSVYLHWIQQKPKAPKLIYAPSNLASGVPSR 60
Qy 61 FSGSGSGTETLITLSSLOPDATPYCHQSTYPLTFCGQIKVEUKRTVAAPSIFPPS 120
Db 61 FSGSGSGTDFLTLSILOPDATPYCQWHAFNPPTFQGQKVEIKRTVAAPSIFPPS 120
Qy 121 DEQLKGSTASVCLANNFYREAKQKVNQALOSNSQSVTEQDSKQSTYLSSTLU 180
Db 121 DEQLKGSTASVCLANNFYREAKQKVNQALOSNSQSVTEQDSKQSTYLSSTLU 180
Qy 181 SKADYEKHKYACEVTHQGLSSPVTKS|ENGEC 213
Db 181 SKADYEKHKYACEVTHQGLSSPVTKS|ENGEC 213

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Search completed: May 15, 2006, 12:03:27
 Job time : 13.2822 secs

OM protein - protein search, using SW model
Run on: May 15, 2006, 11:42:33 ; Search time 45.3445 Seconds
(Without alignment)
813.183 Million cell updates/sec

Title: US-10-822-300-122
Perfect score: 2382
Sequence: I QVOLVQSGARVKRPGSSVY. LHEALKHMYTQKSLISLSPGK 446

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Result No.	Score	Query Match	Length	DB ID	Description
1	2239.5	94.0	449	1	US-08-458-516-13 Sequence 13, Appl
2	202.5	92.0	472	2	US-09-301-593-4 Sequence 43, Appl
3	210.5	92.0	470	2	US-09-228-741-4 Sequence 4, Appl
4	2178	91.4	452	2	US-09-027-449-71 Sequence 71, Appl
5	2178	91.4	452	2	US-09-026-945-71 Sequence 71, Appl
6	2178	91.4	452	2	US-09-0121-952A-71 Sequence 71, Appl
7	2178	91.4	452	2	US-09-0234-340A-71 Sequence 71, Appl
8	2178	91.4	452	2	US-09-014-71 Sequence 71, Appl
9	2171.5	91.2	476	1	US-08-378-930-10 Sequence 10, Appl
10	2165	90.9	489	2	US-10-104-047-3329 Sequence 3329, Appl
11	2153	90.4	454	1	US-07-934-373C-22 Sequence 22, Appl
12	2153	90.4	454	2	US-08-437-642B-22 Sequence 22, Appl
13	2153	90.4	454	2	US-08-446-200C-22 Sequence 22, Appl
14	2153	90.4	454	2	US-09-705-686-22 Sequence 22, Appl
15	2153	90.4	454	2	US-09-705-392A-22 Sequence 22, Appl
16	2153	90.4	454	2	US-09-05-390-22 Sequence 22, Appl
17	2153	90.4	454	2	US-09-07832-22 Sequence 22, Appl
18	2150	90.3	453	2	US-09-301-593-18 Sequence 18, Appl
19	2144.5	90.0	466	2	US-09-638-705-11 Sequence 11, Appl
20	2141.5	89.9	466	2	US-09-455-777B-67 Sequence 67, Appl
21	2141.5	89.9	468	2	US-10-071-485-67 Sequence 67, Appl
22	2141.5	89.9	711	2	US-09-435-731B-90 Sequence 90, Appl
23	2141.5	89.9	711	2	US-10-071-485-90 Sequence 90, Appl
24	2137.5	89.7	472	2	US-09-301-593-30 Sequence 30, Appl
25	2133	89.5	467	2	US-09-059-677A-8 Sequence 8, Appl
26	2123	89.1	449	2	US-09-679-397-2 Sequence 2, Appl
27	2123	89.1	449	2	US-09-680-140-2 Sequence 2, Appl

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

28	2123	89.1	449	2	US-10-354-675A-2	Sequence 2, Appli
29	2123	89.1	449	2	US-09-374-449	Sequence 2, Appli
30	2109.5	88.6	451	2	US-09-247-352-3	Sequence 3, Appli
31	2109.5	88.6	451	2	US-09-66-335-3	Sequence 3, Appli
32	2103.5	88.3	478	2	US-09-487-550-8	Sequence 8, Appli
33	2103.5	88.3	478	2	US-09-526-098-8	Sequence 8, Appli
34	2103.5	88.3	478	2	US-09-383-916-8	Sequence 8, Appli
35	2103.5	88.3	478	2	US-09-487-173-8	Sequence 8, Appli
36	2103.5	88.3	478	2	US-09-576-424-8	Sequence 8, Appli
37	2094.5	87.9	451	1	US-08-887-352B-18	Sequence 18, Appli
38	2094.5	87.9	451	2	US-09-109-207C-18	Sequence 18, Appli
39	2094.5	87.9	451	2	US-09-082-205-2	Sequence 2, Appli
40	2094.5	87.9	451	2	US-09-054-555-2	Sequence 2, Appli
41	2094.5	87.9	451	2	US-09-296-005-18	Sequence 18, Appli
42	2094.5	87.9	451	2	US-09-082-846-2	Sequence 2, Appli
43	2094.5	87.9	451	2	US-09-080-45-2	Sequence 2, Appli
44	2094.5	87.9	451	2	US-09-020-171-18	Sequence 18, Appli
45	2094.5	87.9	451	2	US-09-916-028-18	Sequence 18, Appli

1 QVQLVQSGAEVKPGSSVKVSCRASGYARTNLYIEWRQAPGQGLEWIVIYVPGGGNY 60
 QY 61 NQKEPKDQKATITABESTNTAYMELSLRSRDTAVYCAR---GGCVFDYWGQTLTVSA 117
 Db 61 NEKEPKGRVTLTVBESNTNTAYMELSLRSRDTAVYFCARRDGNQYCWFAWQGQTLTVSSA 120
 QY 118 SITKGSPVPLAPSSKSTSGCTAALGCLVQDYFPEPVTWSNGALTSQHTPAVLQSG 177
 Db 121 STRGSPVPLAPSSKSTSGCTAALGCLVQDYFPEPVTWSNGALTSQHTPAVLQSG 180
 QY 178 LYSLSLSVTVPSSLIGTQTYICNWKPSNTKVDKVKPSCDKHTCPCPAPELIG 240
 Db 181 LYSLSLSVTVPSSLIGTQTYICNWKPSNTKVDKVKPSCDKHTCPCPAPELIG 240
 QY 238 SVPFLPPPKDQLMISRPEVTWVWDYSHEDPEVKENWYDGVENHAKTPREEQNS 297
 Db 241 SVFLFPKPKDTLMISRPEVTWVWDYSHEDPEVKENWYDGVENHAKTPREEQNS 300
 QY 298 TYRVSVLTQVHQLDMLNGKEYKCKVSNKALPAPIEKTISAKQGPREPQVTLPPSRDL 357
 Db 301 TYRVSVLTQVHQLDMLNGKEYKCKVSNKALPAPIEKTISAKQGPREPQVTLPPSRDL 360
 QY 358 TKNOVSLTCLVKGKPSDIAVEMENSGOPENNYCTTPVTLDSGSPFLYSLTVKDSRMO 417
 Db 361 TKNOVSLTCLVKGKPSDIAVEMENSGOPENNYCTTPVTLDSGSPFLYSLTVKDSRMO 420
 QY 418 QGNVFSCSVNHEALHNHYTQKSLISLSPGK 446
 Db 421 QGNVFSCSVNHEALHNHYTQKSLISLSPGK 449

RESULT 2
 US-09-301-593-43
 ; Sequence 43, Application US/09301593A
 ; Patent No. 6435677
 ; GENERAL INFORMATION:
 ; APPLICANT: Park, John E.
 ; APPLICANT: Bamberger, Uwe
 ; APPLICANT: Leger, Olivier
 ; APPLICANT: Saldanha, Jose W.
 ; APPLICANT: Retting, Wolfgang J.
 ; TITLE OF INVENTION: FAP-specific Antibody with Improved Productability
 ; CURRENT APPLICATION NUMBER: US/09/301,593A
 ; CURRENT FILING DATE: 1999-04-29
 ; EARLIER APPLICATION NUMBER: EP 98107925.4
 ; EARLIER FILING DATE: 1998-04-30
 ; EARLIER FILING DATE: 1998-05-18
 ; NUMBER OF SEQ ID NOS: 108
 ; SEQ ID NO: 43
 ; LENGTH: 472
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence:
 ; OTHER INFORMATION: "Dimeric" Anti-CD20 Heavy Chain (version 1)
 ; US-09-238-741-4

Query Match 92.0%; Score 2190.5; DB 2; Length 470;
 Best Local Similarity 91.1%; Pred. No. 4e-161; Indels 5; Gaps 1;
 Matches 411; Conservative 14; Mismatches 21; Indels 5; Gaps 1;
 QY 1 QVQLVQSGAEVKPGSSVKVSCRASGYARTNLYIEWRQAPGQGLEWIVIYVPGGGNY 60
 Db 20 QVQLVQSGAEVKPGSSVKVSCRASGYARTNLYIEWRQAPGQGLEWIVIYVPGGGNY 79
 QY 61 NQKEPKDQKATITABESTNTAYMELSLRSRDTAVYCAR---GGCVFDYWGQTLTVSA 117
 Db 80 NQKEPKGRVTLTVBESNTNTAYMELSLRSRDTAVYFCARRDGNQYCWFAWQGQTLTVSSA 120
 QY 116 SITKGSPVPLAPSSKSTSGCTAALGCLVQDYFPEPVTWSNGALTSQHTPAVLQSG 175
 Db 140 AASTKGSPVPLAPSSKSTSGCTAALGCLVQDYFPEPVTWSNGALTSQHTPAVLQSG 199
 QY 176 GLYSLSLSVTVPSSLIGTQTYICNWKPSNTKVDKVKPSCDKHTCPCPAPELIG 235
 Db 200 GLYSLSLSVTVPSSLIGTQTYICNWKPSNTKVDKVKPSCDKHTCPCPAPELIG 259
 QY 61 NQKEPKDQKATITABESTNTAYMELSLRSRDTAVYCAR---GGCVFDYWGQTLTV 112
 Db 80 NQKEPKGRVTLTVBESNTNTAYMELSLRSRDTAVYFCARRDGNQYCWFAWQGQTLTV 139
 QY 113 TWSASITKGSPVPLAPSSKSTSGCTAALGCLVQDYFPEPVTWSNGALTSQHTPAVL 172

RESULT 3
 US-09-238-741-4
 ; Sequence 4, Application US/09238741
 ; Patent No. 6897044
 ; GENERAL INFORMATION:
 ; APPLICANT: BRASLAWSKY, GARY R.
 ; APPLICANT: HANNA, NABIL
 ; APPLICANT: HATHARAN, KANDASAMY
 ; APPLICANT: LABARRE, MICHAEL J.
 ; APPLICANT: HUYNH, TRI B.
 ; TITLE OF INVENTION: PRODUCTION OF TETRAVALENT ANTIBODIES
 ; FILE REFERENCE: 23-22-0584
 ; CURRENT APPLICATION NUMBER: US/09/238,741
 ; CURRENT FILING DATE: 1999-01-28
 ; NUMBER OF SEQ ID NOS: 4
 ; SEQ ID NO: 4
 ; LENGTH: 470
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence:
 ; OTHER INFORMATION: "Dimeric" Anti-CD20 Heavy Chain (version 1)
 ; US-09-238-741-4

Query Match 92.0%; Score 2190.5; DB 2; Length 470;
 Best Local Similarity 91.1%; Pred. No. 4e-161; Indels 5; Gaps 1;
 Matches 411; Conservative 14; Mismatches 21; Indels 5; Gaps 1;
 QY 1 QVQLVQSGAEVKPGSSVKVSCRASGYARTNLYIEWRQAPGQGLEWIVIYVPGGGNY 60
 Db 20 QVQLVQSGAEVKPGSSVKVSCRASGYARTNLYIEWRQAPGQGLEWIVIYVPGGGNY 79
 QY 61 NQKEPKDQKATITABESTNTAYMELSLRSRDTAVYCAR---GGCVFDYWGQTLTVSA 117
 Db 80 NQKEPKGRVTLTVBESNTNTAYMELSLRSRDTAVYFCARRDGNQYCWFAWQGQTLTVSSA 120
 QY 116 SITKGSPVPLAPSSKSTSGCTAALGCLVQDYFPEPVTWSNGALTSQHTPAVLQSG 175
 Db 140 AASTKGSPVPLAPSSKSTSGCTAALGCLVQDYFPEPVTWSNGALTSQHTPAVLQSG 199
 QY 176 GLYSLSLSVTVPSSLIGTQTYICNWKPSNTKVDKVKPSCDKHTCPCPAPELIG 235
 Db 200 GLYSLSLSVTVPSSLIGTQTYICNWKPSNTKVDKVKPSCDKHTCPCPAPELIG 259
 QY 235 GPSVLEPFPKPKDQLMISRPEVTWVWDYSHEDPEVKENWYDGVENHAKTPREEQY 295
 Db 260 GPSVLEPFPKPKDQLMISRPEVTWVWDYSHEDPEVKENWYDGVENHAKTPREEQY 319
 QY 296 NSTRVSVLTQVHQLDMLNGKEYKCKVSNKALPAPIEKTISAKQGPREPQVTLPPSRD 355

RESULT 6

US-09-121-952A-71

; Sequence 71, Application US/09121952A

Patent No. 6458355

GENERAL INFORMATION:

APPLICANT: Genentech, Inc., Hsieh, Vanessa

APPLICANT: Koumenis, Iphigenia

APPLICANT: Leong, Steven R.

APPLICANT: Presta, Leonard G.

APPLICANT: Shahrokh, Zahra

APPLICANT: Zapata, Gerardo A.

TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES

TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES

NUMBER OF SEQUENCES: 72

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/121, 952A

FILING DATE: 24-JUL-1998

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/074330

FILING DATE: 22-JAN-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/075467

FILING DATE: 20-FEB-1998

ATTORNEY/AGENT INFORMATION:

NAME: Love, Richard B.

REGISTRATION NUMBER: 334, 659

REFERENCE DOCKET NUMBER: P1085R4

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/952-9881

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 71:

SEQUENCE CHARACTERISTICS:

RESULT 7

US-09-234-340A-71

; Sequence 71, Application US/09234340A

Patent No. 6468352

GENERAL INFORMATION:

APPLICANT: Genentech, Inc., Hsieh, Vanessa

APPLICANT: Koumenis, Iphigenia

APPLICANT: Leong, Steven R.

APPLICANT: Presta, Leonard G.

APPLICANT: Shahrokh, Zahra

APPLICANT: Zapata, Gerardo A.

TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES

TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES

NUMBER OF SEQUENCES: 72

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/234, 340A

FILING DATE: 24-JUL-1998

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/074330

FILING DATE: 22-JAN-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/075467

FILING DATE: 20-FEB-1998

ATTORNEY/AGENT INFORMATION:

NAME: Love, Richard B.

REGISTRATION NUMBER: 334, 659

REFERENCE DOCKET NUMBER: P1085R4

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/952-9881

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 71:

SEQUENCE CHARACTERISTICS:

APPLICATION NUMBER: US/09/121,952
 FILING DATE: 24-JUL-1998
 APPLICATION NUMBER: 60/074330
 FILING DATE: 22-JAN-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/075467
 FILING DATE: 20-FEB-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Love, Richard B.
 REGISTRATION NUMBER: 34,659
 REFERENCE/DOCKET NUMBER: P1085R4
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/925-5530
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 71:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 452 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 ;US-09-234-340A-71

Query Match Similarity 91.4%; Score 2178; DB 2; Length 452;
 Best Local Similarity 89.4%; Pred. No. 3.5e-160; Mismatches 19; Indels 6; Gaps 1;
 Matches 404; Conservative 23; MisMatches 19; Indels 6; Gaps 1;

Qy 1 QVOLVOSGAEVKPGSSVKVSKASGTYFTSYRMHWVRQAPQGLEWIGXINPSTGYTEY 60
 Db 1 EVOLVQSGGLVQPGGSLRLSCASGYSFSHMMHWVRQAPGKLEWVGYIDPSNGETTY 60
 Qy 61 NOKFKOKATTADESENTAYMELSSRSDETAVVYCAR----GGGVFDWQGTLTVV 114
 Db 61 NOKFKOKRFTLSRDNNSKNTAYLQMNLSRAEDTAVVYCAR----GGGVFDWQGTLTVV 120
 Qy 115 SSASTKGPSVPLAPSSKSTSGTAGLGLVQDFFPPTVWSNGALTSGVHTFPAVQ 174
 Db 121 SSASTKGPSVPLAPSSKSTSGTAGLGLVQDFFPPTVWSNGALTSGVHTFPAVQ 180
 Qy 235 GGPSPVFLPPKPKDQMLISRTPETVCTVWVDSHEDPEVKENWYDGEVEMAKTKEEQ 294
 Db 241 GGPSPVFLPPKPKDQMLISRTPETVCTVWVDSHEDPEVKENWYDGEVEMAKTKEEQ 300
 Qy 295 YNSTKRVSVLTLHQDWLNGKEYKCKVSKNGLPARIETKTSKAKGQPRQVWTLPPSR 354
 Db 301 YNSTKRVSVLTLHQDWLNGKEYKCKVSKNGLPARIETKTSKAKGQPRQVWTLPPSR 360
 Qy 355 DELTKQVSLTCLVKQGYPSPDTAVEWESNGOPENNYKTPVLDSDGSFLYKLTVDKS 414
 Db 361 BEMTKQVSLTCLVKQGYPSPDIAVEWESNGOPENNYKTPVLDSDGSFLYKLTVDKS 420
 Qy 415 RWQGNVFSCTVHLRHNHYTQKSLSLSPK 446
 Db 421 RWQGNVFSCTVHLRHNHYTQKSLSLSPK 452

RESULT 8

US-09-355-014-71

; Sequence 71 Application US/09355014
 ; Patent No. 6970033
 ; GENERAL INFORMATION:

APPLICANT: Genentech, Inc., Hsui, Vanessa

Koumentis, Iphigenia

Leong, Steven R.

Presca, Leonard G.

Shahrokh, Zahra

Zapata, Gerardo A.

TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and Humanized Anti-IL-8 Monoclonal Antibodies

NUMBER OF SEQUENCES: 72
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/355,014

FILING DATE: 21-JUL-1999

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Love, Richard B.

REGISTRATION NUMBER: 34,659

REFERENCE/DOCKET NUMBER: P1085R3PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/925-5530

TELEFAX: 650/925-5530

INFORMATION FOR SEQ ID NO: 71:

SEQUENCE DESCRIPTION: SEQ ID NO: 71:

Query Match Similarity 91.4%; Score 2178; DB 2; Length 452;

Best Local Similarity 89.4%; Pred. No. 3.5e-160; Mismatches 19; Indels 6; Gaps 1;

Matches 404; Conservative 23; MisMatches 19; Indels 6; Gaps 1;

US-09-355-014-71

Query Match Similarity 91.4%; Score 2178; DB 2; Length 452;
 Best Local Similarity 89.4%; Pred. No. 3.5e-160; Mismatches 19; Indels 6; Gaps 1;

Matches 404; Conservative 23; MisMatches 19; Indels 6; Gaps 1;

Qy 1 QVOLVOSGAEVKPGSSVKVSKASGTYFTSYRMHWVRQAPQGLEWIGXINPSTGYTEY 60
 Db 1 EVOLVQSGGLVQPGGSLRLSCASGYSFSHMMHWVRQAPGKLEWVGYIDPSNGETTY 60
 Qy 61 NOKFKOKATTADESENTAYMELSSRSDETAVVYCAR----GGGVFDWQGTLTVV 114
 Db 61 NOKFKOKRFTLSRDNNSKNTAYLQMNLSRAEDTAVVYCAR----GGGVFDWQGTLTVV 120
 Qy 115 SSGLYSLSSVTVPPSSLGLQTQYICVNCVNHKESNTKDKKTPKSCDKTHTCPCPAPELL 234
 Db 121 SSASTKGPSVPLAPSSKSTSGTAGLGLVQDFFPPTVWSNGALTSGVHTFPAVQ 174
 Qy 180 SSGLYSLSSVTVPPSSLGLQTQYICVNCVNHKESNTKDKKTPKSCDKTHTCPCPAPELL 240
 Db 181 SSGLYSLSSVTVPPSSLGLQTQYICVNCVNHKESNTKDKKTPKSCDKTHTCPCPAPELL 240
 Qy 235 GGPSPVFLPPKPKDQMLISRTPETVCTVWVDSHEDPEVKENWYDGEVEMAKTKEEQ 294
 Db 241 GGPSPVFLPPKPKDQMLISRTPETVCTVWVDSHEDPEVKENWYDGEVEMAKTKEEQ 300
 Qy 295 YNSTKRVSVLTLHQDWLNGKEYKCKVSKNGLPARIETKTSKAKGQPRQVWTLPPSR 354
 Db 301 YNSTKRVSVLTLHQDWLNGKEYKCKVSKNGLPARIETKTSKAKGQPRQVWTLPPSR 360
 Qy 355 DELTKQVSLTCLVKQGYPSPDTAVEWESNGOPENNYKTPVLDSDGSFLYKLTVDKS 414
 Db 361 BEMTKQVSLTCLVKQGYPSPDIAVEWESNGOPENNYKTPVLDSDGSFLYKLTVDKS 420
 Qy 415 RWQGNVFSCTVHLRHNHYTQKSLSLSPK 446
 Db 421 RWQGNVFSCTVHLRHNHYTQKSLSLSPK 452

RESULT 9

US-08-378-939-10

; Sequence 10 Application US/08378939

; Patent No. 587691

; GENERAL INFORMATION:

APPLICANT: CROWE, JAMES SCOTT

APPLICANT: LEWIS, ALAN PETER
 TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
 NUMBER OF SEQUENCES: 46
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: ROTHEWELL, FIGG, ERNST & KURZ
 STREET: 555 THIRTEENTH ST. N.W.
 CITY: WASHINGTON
 STATE: D. C.
 COUNTRY: U. S.
 ZIP: 20004
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/378, 939
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/952640
 FILING DATE: 01-DEC-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: ERNST, BARBARA G.
 REGISTRATION NUMBER: 30,377
 REFERENCE/DOCKET NUMBER: 1808-118
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 783-6040
 TELEFAX: (202) 783-6031
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 476 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-378-939-10

Query Match 91.2%; Score 2171.5; DB 1; Length 476;
 Best local Similarity 90.9%; Pred. No. 1.2e-159; Indels 1;
 Matches 412; Conservative 14; Mismatches 20; Gaps 1;

Qy 1 QVOLVQSGAEVKKGPGSSVVKUSKASCGSYFTPSYRMRVQRQPGQLEWIGVTPNPGTYEV 60
 20 QMQVQVQSGAEVKKGPGSSVTKSCASGGTFSNVAISWVRQPGQLEWIGVTPNPGTYEV 79

Db 61 NQKFRKDATTADESTNTAYMELSSRLRSDTAYVYCAR-----GGV----- 102

Qy 80 AQRQFGRVTITDOSTSTVYMDLSRSDSATVYCARVSELSPSGGTLIDRIVPN 139

Db 103 -----FDYWGQITLTWSSASTKGPSVPLAPSSKSTSGGTAGLCLVKDYFPEPPTVS 156

Qy 140 NHYSQGMDWGQITITVSSASTKGPSVPLAPSSKSTSGGTAGLCLVKDYFPEPPTVS 199

Db 157 WNSGALTSGVHTPAPLQSGLYLSVTPVSSIGTQTYCNVNHKPSNTKDKVTP 216

Qy 200 WNSGALTSGVHTPAPLQSGLYLSVTPVSSIGTQTYCNVNHKPSNTKDKVTP 259

Db 217 KSCDKTHTCPPCPAPELGGPSVFLPPPKPDKDLMISRTPEVTCVWWDVSHEDPEVKNW 276

Db 260 KSCDKTHTCPPCPAPELGGPSVFLPPPKPDKDLMISRTPEVTCVWWDVSHEDPEVKNW 319

Qy 277 YDGVEVHRAKTKREQINSTRVSVLTVLHQDWLNGKEYKCKVSKNKLAPAPIKNTS 336

Db 320 YDGVEVHRAKTKREQINSTRVSVLTVLHQDWLNGKEYKCKVSKNKLAPAPIKNTS 379

Qy 337 KAKGQPRPEQVYTLPPSDELTKNQVSLTCLVKGPYPSDIAVWESNGOPENNYKTPPV 396

Db 380 KAKGQPRPEQVYTLPPSREMTKNOVSLTCLVKGPYPSDIAVWESNGOPENNYKTPPV 439

Db 397 LDSDGSPFLYSLKLTUDKSRWQGQNVFSSCVLHEALHNHYTQKSLSLSPK 446

Db 440 LDSDGSPFLYSLKLTUDKSRWQGQNVFSSCVLHEALHNHYTQKSLSLSPK 489

RESULT 11
 US-07-931-373C-22
 Sequence 22, Application US/07934373C
 ; Patent No. 582337
 ; GENERAL INFORMATION:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA

212- 34060
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb flop
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 07/934, 373C
FILING DATE: 21-Aug-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40, 378
REFERENCE/DOCKET NUMBER: P0709P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-07-934-373C-22

APPLICANT: Leonard G. Presea
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/437,642B
FILING DATE: 09-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 7/934373
FILING DATE: 21-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/146206
FILING DATE: 17-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:

Query Match 90.4%; Score 2153; DB 1; Length 454;
 Best Local Similarity 88.3%; Pred. No. 3ee-158;
 Matches 401; Conservative 19; Mismatches 26; Indels 8; Gaps 1.

FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M

1 QYQVOLVOSGALEVKKPGGSVVKUSCHASGTYFTSYRMHWYRQAGOGLEWIGYINPSTGYTEY 60

REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P2C
TELECOMMUNICATION INFORMATION:

61 NOKFKDKATITADESTNTAYMELSSLRSEDATVYYCARGGGV-----PDYWGQGTIV 112

TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:

113 TWSASTKOPSPVPLAPSSKSTGGCTAALGCLVQDPPEPTVWSNGALTSGVHTPAV 172
QY

LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

Db 121 TVSSASTKGPSVPPLAPSSKTSIGGGTAALGIVKQDPPEPVWNSGALTSGVHTFAV 180
Qv 173 YSLSWVTPWSSCTGTTTCGNDKPKSNTKTKKVKRSCKNTGCPDPR 232
Qv 173 YSLSWVTPWSSCTGTTTCGNDKPKSNTKTKKVKRSCKNTGCPDPR 232

Very Match 90.4%; Score 2
est local similarity 88.3%; Pred N

Db 181 I Q S G L Y S I S S V V T V P S S L G T Q Y I C V N V H K P S N T K V D K K V P K S C D K T H C P P C P A P E 240

1 QVQLVQSGAEVKPGSSVKVSCKASGY
401; Conservative 19; M1000

Db 241 LLGGPSVFLPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKFNQYDGVEHNAKTCRE 300

6.1 NOVERKONVATITADRESENTATAVMEI. 6.1.1.1 1 ÖVÖLQOQSGPBLVKPGASVKISCKTSGYV

493	EQWINSIKRIVSVLVIQWDWLNNGKICKVSNKALPAPIEKTT,SKAKGQPBPQVYUFP	352
301	EQYNTSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTT,SKAKGQPBPQVYUFP	360

61 NQRFMDKATLAVDKSTIAYMELRSLT

121 TVSSASTKGPSVPLAPSSKSTGGTA

QY
413 KSRWQGNVFCSVLHEALHNHYTQKSLSLSPGK 446

PRESENT 13

341 11 GGBEVB EBBWVATV MIGBTBEVTTV

Sequence 22, Application 05/08437642B

293 EQYNSTYRWSVLTFLHQDWLNGKEYK

APPLICANT: Paul J. Carter

RESULT 13
US-08-146-206C-22
; Sequence 22, Application US/08146206C
; Patent No. 6407213
; GENERAL INFORMATION:
; APPLICANT: Carter, Paul J.
; TITLE OF INVENTION: Method for Making Humanized Antibodies
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; CURRENT APPLICATION DATA:
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatin (Genentech)
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US/08/146, 206C
; FILING DATE: 14-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/152,72
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/952-9881
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-146-206C-22

Query Match 90.4%; Score 2153; DB 2; Length 454;
Best Local Similarity 88.3%; Pred. No. 3e-158;
Matches 401; Conservative 19; Mismatches 26; Indels 8; Gaps 1;

QY 1 QVOLVQSGATEVKKGSSVKVSKASGKSYFTSYRMWVQDQGQGLBWIWGNPSTGTYE 60
1 QVOLQSGPVLVKPGASVKISKCKSGYFTSYRMWVQDQGQGLBWIWGNPSTGTYE 60

QY 61 NQKEPKATTADESTNTAAMELSSRLSESDGIYCARWEGLNQGFDFVRVFDWAGTV 112
61 NQREPKATTADESTNTAAMELSSRLSESDGIYCARWEGLNQGFDFVRVFDWAGTV 120

Db 113 TVSSASTKGSPVPLAPSSGSGTAAAGCLVQDFPPEVTVSNSGALTSGVHTPAV 172
121 TVSSASTKGSPVPLAPSSGSGTAAAGCLVQDFPPEVTVSNSGALTSGVHTPAV 180

QY 121 TVSSASTKGSPVPLAPSSGSGTAAAGCLVQDFPPEVTVSNSGALTSGVHTPAV 180
173 LQSGIYLSLSVWTTPSSIGTQTYICNVHVKPSNTKVDFKVEPKSCDKHTCPGPAE 232
181 LQSGIYLSLSVWTTPSSIGTQTYICNVHVKPSNTKVDFKVEPKSCDKHTCPGPAE 240

QY 233 LLGGPSVFLPPKPKDQMLMSRTPETVTCVWVDSHDEPEVKPWNWVGDGVVNAKTKPQE 292

Db 241 LLGGPSVFLPPKPKDQMLMSRTPETVTCVWVDSHDEPEVKPWNWVGDGVVNAKTKPQE 300
QY 293 EQNSTKAVSVLVTQHDLWCKEYCKVKSVNKLAPPIEKTKSKGQPRQVYTLPP 352
Db 301 EQNSTKAVSVLVTQHDLWCKEYCKVKSVNKLAPPIEKTKSKGQPRQVYTLPP 360
QY 353 SRBLTQKQVSUTCLVKGPYPSDIAVWESNGQPNENYKTPPVLDGSFFLYSKLTV 412
Db 360 SRBLTQKQVSUTCLVKGPYPSDIAVWESNGQPNENYKTPPVLDGSFFLYSKLTV 420
QY 361 SRBLTQKQVSUTCLVKGPYPSDIAVWESNGQPNENYKTPPVLDGSFFLYSKLTV 446
Db 421 KSRWQGNVFSCSVHREALHNHYTQKQJSLSPGK 454

RESULT 14
US-09-705-686-22
; Sequence 22, Application US/09705686
; Patent No. 6639055
; GENERAL INFORMATION:
; APPLICANT: Carter, Paul J.
; TITLE OF INVENTION: Method for Making Humanized Antibodies
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; CURRENT APPLICATION DATA:
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatin (Genentech)
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US/09/705, 686
; FILING DATE: 02-NO- 6639055-2000
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/146206
; FILING DATE: 17-NOV-1993
; APPLICATION NUMBER: 07/152,72
; FILING DATE: 14-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/0981D3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/952-9881
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 22:
; US-09-705-686-22

Query Match 90.4%; Score 2153; DB 2; Length 454;
Best Local Similarity 88.3%; Pred. No. 3e-158; Matches 401; Conservative 19; Mismatches 26; Indels 8; Gaps 1;

QY 1 QVOLVQSGATEVKKGSSVKVSKASGKSYFTSYRMWVQDQGQGLBWIWGNPSTGTYE 60
1 QVOLQSGPVLVKPGASVKISKCKSGYFTSYRMWVQDQGQGLBWIWGNPSTGTYE 60

QY 61 NQKEPKATTADESTNTAAMELSSRLSESDGIYCARWEGLNQGFDFVRVFDWAGTV 112
61 NQREPKATTADESTNTAAMELSSRLSESDGIYCARWEGLNQGFDFVRVFDWAGTV 120

Db 113 TVSSASTKGSPVPLAPSSGSGTAAAGCLVQDFPPEVTVSNSGALTSGVHTPAV 172
121 TVSSASTKGSPVPLAPSSGSGTAAAGCLVQDFPPEVTVSNSGALTSGVHTPAV 180

QY 121 TVSSASTKGSPVPLAPSSGSGTAAAGCLVQDFPPEVTVSNSGALTSGVHTPAV 180
173 LQSGIYLSLSVWTTPSSIGTQTYICNVHVKPSNTKVDFKVEPKSCDKHTCPGPAE 232
181 LQSGIYLSLSVWTTPSSIGTQTYICNVHVKPSNTKVDFKVEPKSCDKHTCPGPAE 240

QY 233 LLGGPSVFLPPKPKDQMLMSRTPETVTCVWVDSHDEPEVKPWNWVGDGVVNAKTKPQE 292

Db 241 LLGGPSVFLPPKPKDQMLMSRTPETVTCVWVDSHDEPEVKPWNWVGDGVVNAKTKPQE 300
QY 293 EQNSTKAVSVLVTQHDLWCKEYCKVKSVNKLAPPIEKTKSKGQPRQVYTLPP 352
Db 301 EQNSTKAVSVLVTQHDLWCKEYCKVKSVNKLAPPIEKTKSKGQPRQVYTLPP 360
QY 353 SRBLTQKQVSUTCLVKGPYPSDIAVWESNGQPNENYKTPPVLDGSFFLYSKLTV 412
Db 360 SRBLTQKQVSUTCLVKGPYPSDIAVWESNGQPNENYKTPPVLDGSFFLYSKLTV 420
QY 361 SRBLTQKQVSUTCLVKGPYPSDIAVWESNGQPNENYKTPPVLDGSFFLYSKLTV 446
Db 421 KSRWQGNVFSCSVHREALHNHYTQKQJSLSPGK 454

RESULT 15
US-09-705-392A-22
; Sequence 22, Application US/09705392A
; Patent No. 6719971
; GENERAL INFORMATION:
; APPLICANT: Carter, Paul J.
; PRESTA, Leonard G.
; TITLE OF INVENTION: Method for Making Humanized Antibodies
; NUMBER OF SEQMENTS: 36
; CORRESPONDENCE ADDRESS:
; STREET: 1 DNA WAY
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/705,392A
FILING DATE: 02-NO-671997-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/146206
FILING DATE: 17-NOV-1993
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P1D1 REVISED
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-705-392A-22

Db 121 TVSSASTKGPSVPLAPSSKSTSGTAAAGCLVKGVDPEPTVWSNGALTSGVTPAV 180
Qy 173 LQSGGLYLSLVTVVSSSLGGTQTYICNVNHKPSNTKUDKKEVPEKSCDKHTCPCPAPB 232
Db 181 LQSGGLYLSLVTVVSSSLGGTQTYICNVNHKPSNTKUDKKEVPEKSCDKHTCPCPAPB 240
Qy 233 LIGGSPSVFLPPPKPKDQLMISRTPEVTCVVVDVSHDPEPEVKNWYDGVEVNAKTKP 292
Db 241 LIGGSPSVFLPPPKPKDQLMISRTPEVTCVVVDVSHDPEPEVKNWYDGVEVNAKTKP 300
Qy 293 EQYNSTYRVVSLTCLVKGFYSDIAWESEGNSQOPENYKTPPVLDSDGSFLYSLTV 352
301 EQYNSTYRVVSLTCLVKGFYSDIAWESEGNSQOPENYKTPPVLDSDGSFLYSLTV 360
Db 353 SRDELTKNQSLTCLVKGFYSDIAWESEGNSQOPENYKTPPVLDSDGSFLYSLTV 412
361 SRDELTKNQSLTCLVKGFYSDIAWESEGNSQOPENYKTPPVLDSDGSFLYSLTV 420
Db 413 KSRWQGQNVFSCSVLHEALHNHYTOKSLISPGK 446
421 KSRWQGQNVFSCSVLHEALHNHYTOKSLISPGK 454

Db 61 NORFMKATIAVDKSISTAMEBLSLTSEDSGTYCARNWGLNTGFDVYFDVWAGGTV 120
Db 113 TVSSASTKGPSVPLAPSSKSTSGTAAAGCLVKGVDPEPTVWSNGALTSGVTPAV 172
Db 121 TVSSASTKGPSVPLAPSSKSTSGTAAAGCLVKGVDPEPTVWSNGALTSGVTPAV 180
Qy 173 LQSGGLYLSLVTVVSSSLGGTQTYICNVNHKPSNTKUDKKEVPEKSCDKHTCPCPAPB 232
Db 181 LQSGGLYLSLVTVVSSSLGGTQTYICNVNHKPSNTKUDKKEVPEKSCDKHTCPCPAPB 240
Qy 233 LIGGSPSVFLPPPKPKDQLMISRTPEVTCVVVDVSHDPEPEVKNWYDGVEVNAKTKP 292
Db 241 LIGGSPSVFLPPPKPKDQLMISRTPEVTCVVVDVSHDPEPEVKNWYDGVEVNAKTKP 300
Qy 293 EQYNSTYRVVSLTCLVKGFYSDIAWESEGNSQOPENYKTPPVLDSDGSFLYSLTV 352
301 EQYNSTYRVVSLTCLVKGFYSDIAWESEGNSQOPENYKTPPVLDSDGSFLYSLTV 360
Db 353 SRDELTKNQSLTCLVKGFYSDIAWESEGNSQOPENYKTPPVLDSDGSFLYSLTV 412
361 SRDELTKNQSLTCLVKGFYSDIAWESEGNSQOPENYKTPPVLDSDGSFLYSLTV 420
Qy 413 KSRWQGQNVFSCSVLHEALHNHYTOKSLISPGK 446
Db 421 KSRWQGQNVFSCSVLHEALHNHYTOKSLISPGK 454

Search completed: May 15, 2006, 11:43:58
Job time : 46.3445 secs

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OM protein - protein search, using SW model

Run on: May 15, 2006, 11:57:43 ; Search time 148.892 Seconds
(without alignments)

Scoring table: BLOSUM62

Gapext 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA_Main:*

1: /cgn2_6/protdata/1/puppa/US07_PUBCOMB.pep:*

2: /cgn2_6/protdata/1/puppa/US08_PUBCOMB.pep:*

3: /cgn2_6/protdata/1/puppa/US09_PUBCOMB.pep:*

4: /cgn2_6/protdata/1/puppa/US10_PUBCOMB.pep:*

5: /cgn2_6/protdata/1/puppa/US10B_PUBCOMB.pep:*

6: /cgn2_6/protdata/1/puppa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2382	100.0	446	5	US-10-822-300-122
2	2380	99.9	446	5	US-10-822-300-120
3	2378	99.8	446	5	US-10-822-300-123
4	2376	99.7	446	5	US-10-822-300-121
5	2375	99.7	446	5	US-10-822-300-119
6	2374	99.7	446	5	US-10-947-432-2
7	2242.5	94.1	470	4	US-10-216-438-147
8	2242.5	94.1	470	4	US-10-384-933-147
9	2241.5	94.1	470	4	US-10-216-494-145
10	2241.5	94.1	470	4	US-10-384-933-145
11	2239.5	94.0	470	4	US-10-216-434-143
12	2239.5	94.0	470	4	US-10-384-933-143
13	2236.5	93.9	470	4	US-10-216-434-117
14	2236.5	93.9	470	4	US-10-384-933-117
15	2234.5	93.8	447	5	US-10-822-300-133
16	2234.5	93.8	448	4	US-10-411-037-56
17	2234.5	93.8	448	4	US-10-287-934-56
18	2233.5	93.8	448	4	US-10-410-932-56
19	2234.5	93.8	448	4	US-10-411-039-56
20	2234.5	93.8	448	4	US-10-410-930-56
21	2233.5	93.8	448	4	US-10-410-937-56
22	2234.5	93.8	448	4	US-10-411-032-56
23	2234.5	93.8	448	4	US-10-410-933-56
24	2233.5	93.8	448	4	US-10-410-933-56
25	2234.5	93.8	448	5	US-10-410-930-56
26	2234.5	93.8	448	5	US-10-410-897-56
27	2234.5	93.8	448	5	US-10-492-261-56

RESULT 1
US-10-822-300-122
Sequence 122, Application US/10822300
; Publication No. US2005014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FGRN BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 0582_0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10-822,300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: Patentin version 3.2
; SEQ ID NO: 122
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-822-300-122

Query Match 100.0%; Score 2382; DB 5; Length 446;
Best Local Similarity 100.0%; Pred. No. 2.8E-149;
Matches 446; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVQLVQSGAEVKKPGSSVVKVSCKASGGTFTSYRMWVRQPGQLEWIGVNPSTGYTEY 60
1 QVQLVQSGAEVKKPGSSVVKVSCKASGGTFTSYRMWVRQPGQLEWIGVNPSTGYTEY 60

Db 121 GPSVPLAPSSKSTSGTAAAGLCLYDYPFPVTVWSNAGLTSGVHTFPAVLOSSLY 180
121 GPSVPLAPSSKSTSGTAAAGLCLYDYPFPVTVWSNAGLTSGVHTFPAVLOSSLY 180

QY 61 NQKPKQKATITADESTNTAYNELLSSRSRSEPTAVYCARSGCGVFDYWGQGTLVTVSSASTK 120
61 NQKPKQKATITADESTNTAYNELLSSRSRSEPTAVYCARSGCGVFDYWGQGTLVTVSSASTK 120

Db 121 GPSVPLAPSSKSTSGTAAAGLCLYDYPFPVTVWSNAGLTSGVHTFPAVLOSSLY 180
121 GPSVPLAPSSKSTSGTAAAGLCLYDYPFPVTVWSNAGLTSGVHTFPAVLOSSLY 180

QY 181 LSSVWVTPSSSLGTYCIVNNKESNTKDKKTEPKSCDKTHTCPCCAPBLGGPSV 240
181 LSSVWVTPSSSLGTYCIVNNKESNTKDKKTEPKSCDKTHTCPCCAPBLGGPSV 240

Db 241 LFPPKKDOLMISRPEFRTCWVWVDSHEDPEVKENWYDVGVEVKAKTPKREBQYNTYR 300
241 LFPPKKDOLMISRPEFRTCWVWVDSHEDPEVKENWYDVGVEVKAKTPKREBQYNTYR 300

QY 301 QVSLTQLVKGYPFSDIAVENEWSNGOPENNYKTPVLDSDGSFLYSLKLTVDKSRWQGEN 420
301 QVSLTQLVKGYPFSDIAVENEWSNGOPENNYKTPVLDSDGSFLYSLKLTVDKSRWQGEN 420

Db 361 QVSLTQLVKGYPFSDIAVENEWSNGOPENNYKTPVLDSDGSFLYSLKLTVDKSRWQGEN 420
361 QVSLTQLVKGYPFSDIAVENEWSNGOPENNYKTPVLDSDGSFLYSLKLTVDKSRWQGEN 420

RESULT 2
US-10-822-300-120
; Sequence 120, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRN BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822,300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 120
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-822-300-120

Query Match 99.8%; Score 2378; DB 5; Length 446;
Best Local Similarity 99.8%; Pred. No. 5.1e-149;
Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 QWQVQSGAVKPKPESSVVKVSKASGYTFSYRMHWQARQGQLEWIGYINPSTGYTEY 60
Db 1 QWQVQSGAVKPKPESSVVKVSKASGYTFSYRMHWQARQGQLEWIGYINPSTGYTEY 60
Qy 61 NQKFKDATTADESTNTAYMELSLRSRDTAVYCARGGVFDWQGQIYTIVSASTK 120
Db 61 NQKFKDATTADESTNTAYMELSLRSRDTAVYCARGGVFDWQGQIYTIVSASTK 120
Qy 121 GPSVFLAPSSKSKTSGGTAAAGLCLVYDFFPRTVWSNQGLTSGVHPTPRAVLOSSGLYS 180
Db 121 GPSVFLAPSSKSKTSGGTAAAGLCLVYDFFPRTVWSNQGLTSGVHPTPRAVLOSSGLYS 180
Qy 181 LSSVUTPSSSLGTTOTYICWNHKNSNTKDKKVKPSCDKTHCPCPAPBLGGPSVF 240
Db 181 LSSVUTPSSSLGTTOTYICWNHKNSNTKDKKVKPSCDKTHCPCPAPBLGGPSVF 240
Qy 241 LPPPKDQJLMSRTPBTVVWDVSHEDPZEVKFWYDGEVANAKTKRREQNSTYR 300
Db 241 LPPPKDQJLMSRTPBTVVWDVSHEDPZEVKFWYDGEVANAKTKRREQNSTYR 300
Qy 301 WVSVLVLRHODWNLNGKEYKCVSNKALPAPIKTSKAKQCPREQVYTLPPSDBELTKN 360
Db 301 WVSVLVLRHODWNLNGKEYKCVSNKALPAPIKTSKAKQCPREQVYTLPPSDBELTKN 360
Qy 361 QVSILCLVKFRTYPSDIAVENEWSNGOPENNYKTPPVLDSDGSPFLYSLKLTWDKSRRWQGN 420
Db 361 QVSILCLVKFRTYPSDIAVENEWSNGOPENNYKTPPVLDSDGSPFLYSLKLTWDKSRRWQGN 420
Qy 421 VFSCSVLHEALHNHTQKSLSLSPGK 446
Db 421 VFSCSVLHEALHNHTQKSLSLSPGK 446
Qy 61 NQKFKDATTADESTNTAYMELSLRSRDTAVYCARGGVFDWQGQIYTIVSASTK 120

RESULT 3
US-10-822-300-123
; Sequence 123, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRN BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822,300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 121
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-822-300-123

Query Match 99.8%; Score 2378; DB 5; Length 446;
Best Local Similarity 99.8%; Pred. No. 5.1e-149;
Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 QWQVQSGAVKPKPESSVVKVSKASGYTFSYRMHWQARQGQLEWIGYINPSTGYTEY 60
Db 1 QWQVQSGAVKPKPESSVVKVSKASGYTFSYRMHWQARQGQLEWIGYINPSTGYTEY 60
Qy 61 NQKFKDATTADESTNTAYMELSLRSRDTAVYCARGGVFDWQGQIYTIVSASTK 120
Db 61 NQKFKDATTADESTNTAYMELSLRSRDTAVYCARGGVFDWQGQIYTIVSASTK 120
Qy 121 GPSVFLAPSSKSKTSGGTAAAGLCLVYDFFPRTVWSNQGLTSGVHPTPRAVLOSSGLYS 180
Db 121 GPSVFLAPSSKSKTSGGTAAAGLCLVYDFFPRTVWSNQGLTSGVHPTPRAVLOSSGLYS 180
Qy 181 LSSVUTPSSSLGTTOTYICWNHKNSNTKDKKVKPSCDKTHCPCPAPBLGGPSVF 240
Db 181 LSSVUTPSSSLGTTOTYICWNHKNSNTKDKKVKPSCDKTHCPCPAPBLGGPSVF 240
Qy 241 LPPPKDQJLMSRTPBTVVWDVSHEDPZEVKFWYDGEVANAKTKRREQNSTYR 300
Db 241 LPPPKDQJLMSRTPBTVVWDVSHEDPZEVKFWYDGEVANAKTKRREQNSTYR 300
Qy 301 WVSVLVLRHODWNLNGKEYKCVSNKALPAPIKTSKAKQCPREQVYTLPPSDBELTKN 360
Db 301 WVSVLVLRHODWNLNGKEYKCVSNKALPAPIKTSKAKQCPREQVYTLPPSDBELTKN 360
Qy 361 QVSILCLVKFRTYPSDIAVENEWSNGOPENNYKTPPVLDSDGSPFLYSLKLTWDKSRRWQGN 420
Db 361 QVSILCLVKFRTYPSDIAVENEWSNGOPENNYKTPPVLDSDGSPFLYSLKLTWDKSRRWQGN 420
Qy 421 VFSCSVLHEALHNHTQKSLSLSPGK 446
Db 421 VFSCSVLHEALHNHTQKSLSLSPGK 446
Qy 61 NQKFKDATTADESTNTAYMELSLRSRDTAVYCARGGVFDWQGQIYTIVSASTK 120

RESULT 4
US-10-822-300-121
; Sequence 121, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRN BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822,300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 121
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-822-300-121

Query Match 99.7%; Score 2376; DB 5; Length 446;
Best Local Similarity 99.8%; Pred. No. 7e-149;
Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 QWQVQSGAVKPKPESSVVKVSKASGYTFSYRMHWQARQGQLEWIGYINPSTGYTEY 60
Db 1 QWQVQSGAVKPKPESSVVKVSKASGYTFSYRMHWQARQGQLEWIGYINPSTGYTEY 60
Qy 61 NQKFKDATTADESTNTAYMELSLRSRDTAVYCARGGVFDWQGQIYTIVSASTK 120
Db 61 NQKFKDATTADESTNTAYMELSLRSRDTAVYCARGGVFDWQGQIYTIVSASTK 120

RESULT 5
US-10-822-300-119

; Sequence 119, Application US/10822300

; Publication No. US20050014934A1

; GENERAL INFORMATION:

; APPLICANT: Hinton, et al.

; TITLE OF INVENTION: ALTERATION OF FCRN BINDING AFFINITIES OR SERUM HALF-LIVES OF

; FILE REFERENCE: 05882-0039-CPU501

; CURRENT APPLICATION NUMBER: US/10/822,300

; CURRENT FILING DATE: 2004-04-09

; NUMBER OF SEQ ID NOS: 146

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO: 119

; LENGTH: 446

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-10-822-300-119

Query Match Similarity 99.7%; Score 2375; DB 5; Length 446; Best Local Similarity 99.6%; Pred. No. 8.1e-149; Matches 444; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Query 1 QVQLVSGAEGVKPGSSAVKVKSKASGTYFTSYRMHWTRQAPQOGLEWIGIYINPSTGYTEY 60

Db 1 QVQLVSGAEGVKPGSSAVKVKSKASGTYFTSYRMHWTRQAPQOGLEWIGIYINPSTGYTEY 60

Query 61 NOKFKOKATTADESTNTAYMELSSRSRDTAVYCAARGGVDYDQGQTLVTVSSASTK 120

Db 61 NOKFKOKATTADESTNTAYMELSSRSRDTAVYCAARGGVDYDQGQTLVTVSSASTK 120

Query 121 GPSVFLAPSSKSTSGTAALGCLVQDYPPEPVTSWNSGALTSGVHTFPAVLOSSGLYS 180

Db 121 GPSVFLAPSSKSTSGTAALGCLVQDYPPEPVTSWNSGALTSGVHTFPAVLOSSGLYS 180

Query 181 LSVVTPSSAGTQTCVNNHKSPTKVDKVKPSCDKHTCPCPAPBLGGSPV 240

Db 181 LSVVTPSSAGTQTCVNNHKSPTKVDKVKPSCDKHTCPCPAPBLGGSPV 240

Query 181 LSVVTPSSAGTQTCVNNHKSPTKVDKVKPSCDKHTCPCPAPBLGGSPV 240

Db 181 LSVVTPSSAGTQTCVNNHKSPTKVDKVKPSCDKHTCPCPAPBLGGSPV 240

Query 241 LPPPKPDQMLTSRTPETVTVVVDVSHDPEVRFNWTGVEVHNATKPKREQNMYR 300

Db 241 LPPPKPDQMLTSRTPETVTVVVDVSHDPEVRFNWTGVEVHNATKPKREQNMYR 300

Query 301 VFSCSVHLHEALHNHYTQKSLSLSPGK 446

Db 301 VFSCSVHLHEALHNHYTQKSLSLSPGK 446

RESULT 5
US-10-947-432-2

; Sequence 2, Application US/10947432

; Publication No. US20050089517A1

; GENERAL INFORMATION:

; APPLICANT: Protein Design Labs, Inc.

; TITLE OF INVENTION: TREATMENT OF RESPIRATORY DISEASES WITH ANTI-IL-2 RECEPTOR

; FILE REFERENCE: 05882-0077-NPUS02

; CURRENT APPLICATION NUMBER: US/10/947,432

; CURRENT FILING DATE: 2004-09-21

; PRIORITY APPLICATION NUMBER: US 60/505,883

; PRIORITY FILING DATE: 2003-09-23

; PRIORITY APPLICATION NUMBER: US 60/552,974

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO: 2

; LENGTH: 446

; TYPE: PRT

; ORGANISM: Artificial

; FEATURE: OTHER INFORMATION: Humanized antibody

US-10-947-432-2

Query Match Similarity 99.7%; Score 2374; DB 5; Length 446; Best Local Similarity 99.6%; Pred. No. 9.4e-149; Matches 444; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Query 1 QVQLVSGAEGVKPGSSAVKVKSKASGTYFTSYRMHWTRQAPQOGLEWIGIYINPSTGYTEY 60

Db 1 QVQLVSGAEGVKPGSSAVKVKSKASGTYFTSYRMHWTRQAPQOGLEWIGIYINPSTGYTEY 60

Query 61 NOKFKOKATTADESTNTAYMELSSRSRDTAVYCAARGGVDYDQGQTLVTVSSASTK 120

Db 61 NOKFKOKATTADESTNTAYMELSSRSRDTAVYCAARGGVDYDQGQTLVTVSSASTK 120

Query 121 GPSVFLAPSSKSTSGTAALGCLVQDYPPEPVTSWNSGALTSGVHTFPAVLOSSGLYS 180

Db 121 GPSVFLAPSSKSTSGTAALGCLVQDYPPEPVTSWNSGALTSGVHTFPAVLOSSGLYS 180

Query 181 LSVVTPSSAGTQTCVNNHKSPTKVDKVKPSCDKHTCPCPAPBLGGSPV 240

Db 181 LSVVTPSSAGTQTCVNNHKSPTKVDKVKPSCDKHTCPCPAPBLGGSPV 240

Query 241 LPPPKPDQMLTSRTPETVTVVVDVSHDPEVRFNWTGVEVHNATKPKREQNMYR 300

Db 241 LPPPKPDQMLTSRTPETVTVVVDVSHDPEVRFNWTGVEVHNATKPKREQNMYR 300

Query 301 VFSCSVHLHEALHNHYTQKSLSLSPGK 446

Db 301 VFSCSVHLHEALHNHYTQKSLSLSPGK 446

Query 361 QVSLTCLVKGYPSPDIAVEMESNGOPENNYKTPPVLDSDGSFPLYSKLTVDKSRWQGN 420

Db 361 QVSLTCLVKGYPSPDIAVEMESNGOPENNYKTPPVLDSDGSFPLYSKLTVDKSRWQGN 420

Query 421 VFSCSVHLHEALHNHYTQKSLSLSPGK 446

Db 421 VFSCSVHLHEALHNHYTQKSLSLSPGK 446

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GenCore version 5.1.8
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 OM protein - protein search, using SW model
 Run on: May 15, 2006, 11:59:14 ; Search time 25.7178 Seconds
 (without alignments)
 814.192 Million cell updates/sec

Title: US-10-822-300-122
 Perfect score: 2382
 Sequence: 1 QVOLVQSGAEBVKPGSSVKV..... LHEALHNHYTQKSLISPGK 446
 Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5
 Searched: 250354 seqs, 4694837 residues
 Total number of hits satisfying chosen parameters: 250354
 Minimum DB seq length: 0
 Maximum DB seq length: 200000000
 Post-processing: Minimum Match 0%
 Listing first 45 summaries

Database : Published Applications AA_New:
 1: /SIDS5/prodata/1/pubpaa/US08 NEW PUB_PEP: *
 2: /SIDS5/prodata/1/pubpaa/US06 NEW PUB_PEP: *
 3: /SIDS5/prodata/1/pubpaa/US07 NEW PUB_PEP: *
 4: /SIDS5/prodata/1/pubpaa/US08 NEW PUB_PEP: *
 5: /SIDS5/prodata/1/pubpaa/PCT NEW PUB_PEP: *
 6: /SIDS5/prodata/1/pubpaa/US03 NEW PUB_PEP: *
 7: /SIDS5/prodata/1/pubpaa/US09 NEW PUB_PEP: *
 8: /SIDS5/prodata/1/pubpaa/US10 NEW PUB_PEP: *
 9: /SIDS5/prodata/1/pubpaa/US11 NEW PUB_PEP: *
 10: /SIDS5/prodata/1/pubpaa/US11 NEW PUB_PEP: *
 11: /SIDS5/prodata/1/pubpaa/US60 NEW PUB_PEP: *
 12: /SIDS5/prodata/1/pubpaa/US60 NEW PUB_PEP: *

Pre. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

§ SUMMARIES
 RESULT 1
 US-11-102-621-122
 ; Publication 122, Application US/11102621
 ; Sequence No. US20050226799A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Protein Design Labs, Inc.
 ; APPLICANT: Hinton, Paul R.
 ; APPLICANT: Tsurusita, Naoya
 ; APPLICANT: Vasquez, Maximiliano
 ; TITLE OF INVENTION: ALTERATION OF FcRn BINDING AFFINITIES OR SERUM HALF-LIVES OF
 ; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
 ; FILE REFERENCE: 05882.0039.00PC03
 ; CURRENT APPLICATION NUMBER: US/11/102,621
 ; CURRENT FILING DATE: 2005-04-08
 ; PRIOR APPLICATION NUMBER: US 10/822,300
 ; PRIOR FILING DATE: 2004-04-09
 ; NUMBER OF SEQ ID NOS: 146
 ; SOFTWARE: Patentin version 3.2
 ; SEQ ID NO 122
 ; LENGTH: 446.
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-11-102-621-122
 Query Match Best Local Similarity 100.0%; Score 2382; DB 11; Length 446;
 Matches 446; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 QVOLVQSGAEBVKPGSSVKV..... LHEALHNHYTQKSLISPGK 446
 1 QVOLVQSGAEBVKPGSSVKV..... LHEALHNHYTQKSLISPGK 446
 61 NOKEKDQKATTADEBTNTAYMELSSLSBDAVYCYCARGGVDPYWW3GTLVTSASTK 120
 61 NOKEKDQKATTADEBTNTAYMELSSLSBDAVYCYCARGGVDPYWW3GTLVTSASTK 120
 121 GPSVPLAPSSKSTSGTALGCLVQKDPPEPYTWSNSGALTSGVNTFPQVLSGLYS 180
 121 GPSVPLAPSSKSTSGTALGCLVQKDPPEPYTWSNSGALTSGVNTFPQVLSGLYS 180
 181 LSSVVTWSSSLGQTQYICNVNHPKPSNTKDKCQEPSCDKHTCPQCPAPELGGSVF 240
 181 LSSVVTWSSSLGQTQYICNVNHPKPSNTKDKCQEPSCDKHTCPQCPAPELGGSVF 240
 181 LSSVVTWSSSLGQTQYICNVNHPKPSNTKDKCQEPSCDKHTCPQCPAPELGGSVF 240

Sequence 79, Appl
 Sequence 131, Appl
 Sequence 132, Appl
 Sequence 99, Appl
 Sequence 44, Appl
 Sequence 23, Appl
 Sequence 134, Appl
 Sequence 132, Appl
 Sequence 13, Appl
 Sequence 15, Appl
 Sequence 29, Appl
 Sequence 33, Appl
 Sequence 30, Appl
 Sequence 15, Appl
 Sequence 32, Appl
 Sequence 32, Appl
 Sequence 13, Appl
 Sequence 15, Appl
 Sequence 29, Appl
 Sequence 31, Appl
 Sequence 72, Appl
 Sequence 127, Appl
 Sequence 125, Appl
 Sequence 24, Appl
 Sequence 5, Appl
 Sequence 7, Appl

ALIGNMENTS
 22 2233.5 93.8 462 11 US-11-177-648-79
 23 2232.5 93.7 447 11 US-11-02-621-131
 24 2232.5 93.7 462 11 US-11-177-648-29
 25 2232.5 93.7 462 11 US-11-177-648-98
 26 2231.5 93.7 453 10 US-11-224-182-44
 27 2231.5 93.7 453 11 US-11-208-422-23
 28 2230.5 93.6 447 11 US-11-102-621-134
 29 2228.5 93.6 447 11 US-11-02-621-132
 30 2227.5 93.5 447 11 US-11-102-621-130
 31 2225.5 93.4 462 11 US-11-177-648-33
 32 2223.5 93.3 462 11 US-11-177-648-30
 33 2212 92.9 448 11 US-11-158-505-16
 34 2212 92.9 448 11 US-11-158-505-32
 35 2212 92.9 467 11 US-11-158-505-13
 36 2212 92.9 467 11 US-11-158-505-15
 37 2212 92.9 467 11 US-11-158-505-29
 38 2212 92.9 467 11 US-11-158-505-31
 39 2212 92.9 467 11 US-11-158-505-72
 40 2211 92.8 442 11 US-11-102-621-77
 41 2209 92.7 442 11 US-11-102-621-125
 42 2209 92.7 448 11 US-11-158-505-8
 43 2209 92.7 448 11 US-11-158-505-24
 44 2209 92.7 467 11 US-11-158-505-7
 45 2209 92.7 467 11 US-11-158-505-5
 2209 92.7 467 11 US-11-158-505-7

181 LSSVVTWSSSLGQTQYICNVNHPKPSNTKDKCQEPSCDKHTCPQCPAPELGGSVF 240

21 2233.5 93.8 462 11 US-11-177-648-32

RESULT 2

US-11-102-621-120

; Sequence 120, Application US/11102621

; Publication No. US20050276799A1

; GENERAL INFORMATION:

; APPLICANT: Protein Design Labs, Inc.

; APPLICANT: Hinton, Paul R.

; APPLICANT: Tsuruhita, Naoya

; APPLICANT: Vasquez, Maximilliano

; TITLE OF INVENTION: ALTERATION OF FCRL BINDING AFFINITIES OR SERUM HALF-LIVES OF

; FILE REFERENCE: 05882.0039.00PC03

; CURRENT APPLICATION NUMBER: US/111/102,621

; CURRENT FILING DATE: 2005-04-08

; PRIOR APPLICATION NUMBER: US 10/822,300

; PRIOR FILING DATE: 2004-04-09

; NUMBER OF SEQ ID NOS: 146

; SOFTWARE: Patentin version 3.2

; SEQ ID NO 123

; LENGTH: 446

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-11-102-621-120

Query Match 99.9%; Score 2380; DB 11; Length 446;

Best Local Similarity 99.8%; Pred. No. 7.1e-145; DB 11; Length 446;

Matches 445; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVQLVQSGAEVVKKGSSVKVSKASGTYFSYRMHWRQPGQLEWIGYINPSTGTYE 60

Db 1 QVQLVQSGAEVVKKGSSVKVSKASGTYFSYRMHWRQPGQLEWIGYINPSTGTYE 60

QY 61 NQKEKDQKATITADESTNTAYMELESSRSQEDTAVYCARGGVFDYWGQTLVTVSSASTK 120

Db 61 NQKEKDQKATITADESTNTAYMELESSRSQEDTAVYCARGGVFDYWGQTLVTVSSASTK 120

QY 121 GPSVFPPLAPSSKSTSGTAAAGCLVKYFPEPVTVWSNSGALTSGVFTPAVLQSGLYS 180

Db 121 GPSVFPPLAPSSKSTSGTAAAGCLVKYFPEPVTVWSNSGALTSGVFTPAVLQSGLYS 180

QY 181 LSSVVTVPSSSLGTTQTYTCVNHKPSNTKDYFPEPVTVWSNSGALTSGVFTPAVLQSGLYS 240

Db 181 LSSVVTVPSSSLGTTQTYTCVNHKPSNTKDYFPEPVTVWSNSGALTSGVFTPAVLQSGLYS 240

QY 241 LFPKKPKDQMLSRTPETCVVWDVSHEDPEVKENWYDGVENAKTKPREQNMSTYR 300

Db 241 LFPKKPKDQMLSRTPETCVVWDVSHEDPEVKENWYDGVENAKTKPREQNMSTYR 300

QY 301 VVSVLTVLHQDWLNGKEYKVKVSKNKPAPIEKTIKAKGQPREPQVTLPSRDLTKN 360

Db 301 VVSVLTVLHQDWLNGKEYKVKVSKNKPAPIEKTIKAKGQPREPQVTLPSRDLTKN 360

QY 361 QVSLTCLVKGFYPSDIATEWESNGOPENNYKTPPVLDSDGSFLYSLKLTVDKSRWQGN 420

Db 361 QVSLTCLVKGFYPSDIATEWESNGOPENNYKTPPVLDSDGSFLYSLKLTVDKSRWQGN 420

QY 421 VFSCSVLHEALHNHYTQSLSLSPGK 446

Db 421 VFSCSVLHEALHNHYTQSLSLSPGK 446

RESULT 3

US-11-102-621-123

; Sequence 123, Application US/11102621

; Publication No. US20050276799A1

; GENERAL INFORMATION:

; APPLICANT: Protein Design Labs, Inc.

; APPLICANT: Hinton, Paul R.

; APPLICANT: Tsuruhita, Naoya

; APPLICANT: Vasquez, Maximilliano

; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS

; FILE REFERENCE: 05882.0039.00PC03

; CURRENT APPLICATION NUMBER: US/111/102,621

; CURRENT FILING DATE: 2005-04-08

; PRIOR APPLICATION NUMBER: US 10/822,300

; PRIOR FILING DATE: 2004-04-09

; NUMBER OF SEQ ID NOS: 146

; SOFTWARE: Patentin version 3.2

; SEQ ID NO 123

; LENGTH: 446

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-11-102-621-123

Query Match 99.8%; Score 2378; DB 11; Length 446;

Best Local Similarity 99.8%; Pred. No. 9.5e-145; DB 11; Length 446;

Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVQLVQSGAEVVKKGSSVKVSKASGTYFSYRMHWRQPGQLEWIGYINPSTGTYE 60

Db 1 QVQLVQSGAEVVKKGSSVKVSKASGTYFSYRMHWRQPGQLEWIGYINPSTGTYE 60

QY 61 NQKEKDQKATITADESTNTAYMELESSRSQEDTAVYCARGGVFDYWGQTLVTVSSASTK 120

Db 61 NQKEKDQKATITADESTNTAYMELESSRSQEDTAVYCARGGVFDYWGQTLVTVSSASTK 120

QY 121 GPSVFPPLAPSSKSTSGTAAAGCLVKYFPEPVTVWSNSGALTSGVFTPAVLQSGLYS 180

Db 121 GPSVFPPLAPSSKSTSGTAAAGCLVKYFPEPVTVWSNSGALTSGVFTPAVLQSGLYS 180

QY 181 LSSVVTVPSSSLGTTQTYTCVNHKPSNTKDYFPEPVTVWSNSGALTSGVFTPAVLQSGLYS 240

Db 181 LSSVVTVPSSSLGTTQTYTCVNHKPSNTKDYFPEPVTVWSNSGALTSGVFTPAVLQSGLYS 240

QY 241 LFPKKPKDQMLSRTPETCVVWDVSHEDPEVKENWYDGVENAKTKPREQNMSTYR 300

Db 241 LFPKKPKDQMLSRTPETCVVWDVSHEDPEVKENWYDGVENAKTKPREQNMSTYR 300

QY 301 VVSVLTVLHQDWLNGKEYKVKVSKNKPAPIEKTIKAKGQPREPQVTLPSRDLTKN 360

Db 301 VVSVLTVLHQDWLNGKEYKVKVSKNKPAPIEKTIKAKGQPREPQVTLPSRDLTKN 360

QY 361 QVSLTCLVKGFYPSDIATEWESNGOPENNYKTPPVLDSDGSFLYSLKLTVDKSRWQGN 420

Db 361 QVSLTCLVKGFYPSDIATEWESNGOPENNYKTPPVLDSDGSFLYSLKLTVDKSRWQGN 420

QY 421 VFSCSVLHEALHNHYTQSLSLSPGK 446

Db 421 VFSCSVLHEALHNHYTQSLSLSPGK 446

RESULT 4

US-11-102-621-121

; Sequence 121, Application US/11102621

; Publication No. US20050276799A1

GENERAL INFORMATION:
 APPLICANT: Protein Design Labs, Inc.
 APPLICANT: Hinton, Paul R.
 APPLICANT: Tsurushita, Naoya
 APPLICANT: Vazquez, Maximilliano
 TITLE OF INVENTION: ALTERATION OF FcRn BINDING AFFINITIES OR SERUM HALF-LIVES OF
 FILE REFERENCE: 05882_0039_00PC03
 CURRENT APPLICATION NUMBER: US/11/102,621
 CURRENT FILING DATE: 2005-04-08
 PRIORITY NUMBER: US 10/822,300
 PRIORITY FILING DATE: 2004-04-09
 NUMBER OF SEQ ID NOS: 146
 SOFTWARE: Patentin version 3.2
 SEQ ID NO 119
 LENGTH: 446
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-11-102-621-121

Query Match Similarity 99.7%; Score 2376; DB 11; Length 446;
 Best Local Similarity 99.8%; Pred. No. 1.3e-144; Mismatches 0; Indels 0; Gaps 0;
 Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QVOLVOSGAEVKPGSSVKVSKASAGYTFSYRMHWQARQGLEWIGYINPSGYTEY 60
 Db 1 QVOLVOSGAEVKPGSSVKVSKASAGYTFSYRMHWQARQGLEWIGYINPSGYTEY 60
 Qy 61 NQKPKKATTADESTNTAVALRSLRSRSETDAVYCARGGEVDFYQGQTLVTVSASTK 120
 Db 61 NQKPKKATTADESTNTAVALRSLRSRSETDAVYCARGGEVDFYQGQTLVTVSASTK 120
 Qy 121 GPSVFLAPSSKSTSGTAALGCLVYDYPBPVTSWNSGALTSGHTRPAVQLOSSGLYS 180
 Db 121 GPSVFLAPSSKSTSGTAALGCLVYDYPBPVTSWNSGALTSGHTRPAVQLOSSGLYS 180
 Qy 181 LSSVWVTPSSIGTQTYICWNCNHNKPNTKVKVVERPKSCDKHTCPCPAPBLGGPSVF 240
 Db 181 LSSVWVTPSSIGTQTYICWNCNHNKPNTKVKVVERPKSCDKHTCPCPAPBLGGPSVF 240
 Qy 241 LPPPKKDQLMISRTPETVTVWVDSHEDPEVKENYVIGEVHNAKTKPREQNSTYR 300
 Db 241 LPPPKKDQLMISRTPETVTVWVDSHEDPEVKENYVIGEVHNAKTKPREQNSTYR 300
 Qy 301 VWSVLTULHQDWLNGKEYCKVSKVSKNQALPAPETKTSKAKGPREPOVYTLPSRDLTKN 360
 Db 301 VWSVLTULHQDWLNGKEYCKVSKVSKNQALPAPETKTSKAKGPREPOVYTLPSRDLTKN 360
 Qy 361 QVSLTCLVKGFPSPDIAVEWESNGQPENNYKTPVPLDSGSPFLYSLKLTVDKSRWQGN 420
 Db 361 QVSLTCLVKGFPSPDIAVEWESNGQPENNYKTPVPLDSGSPFLYSLKLTVDKSRWQGN 420
 Qy 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
 Db 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
 RESULT 5
 US-11-102-621-119
 Sequence 119, Application US/11/102621
 Publication No. US2005027679A1
 GENERAL INFORMATION:
 APPLICANT: Protein Design Labs, Inc.
 APPLICANT: Hinton, Paul R.
 APPLICANT: Tsurushita, Naoya
 APPLICANT: Vazquez, Maximilliano
 TITLE OF INVENTION: ALTERATION OF FcRn BINDING AFFINITIES OR SERUM HALF-LIVES OF
 FILE REFERENCE: 05882_0039_00PC03
 CURRENT APPLICATION NUMBER: US/11/102,621
 CURRENT FILING DATE: 2005-04-08
 PRIORITY NUMBER: US 10/822,300
 PRIORITY FILING DATE: 2004-04-09
 NUMBER OF SEQ ID NOS: 113
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 28
 LENGTH: 462
 TYPE: PRT
 ORGANISM: Artificial Sequence
 US-11-102-621-119

Query Match Similarity 99.7%; Score 2375; DB 11; Length 446;
 Best Local Similarity 99.6%; Pred. No. 1.5e-144; Mismatches 1; Indels 0; Gaps 0;
 Matches 444; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QVOLVOSGAEVKPGSSVKVSKASAGYTFSYRMHWQARQGLEWIGYINPSGYTEY 60
 Db 1 QVOLVOSGAEVKPGSSVKVSKASAGYTFSYRMHWQARQGLEWIGYINPSGYTEY 60
 Qy 61 NQKPKKATTADESTNTAVALRSLRSRSETDAVYCARGGEVDFYQGQTLVTVSASTK 120
 Db 121 GPSVFLAPSSKSTSGTAALGCLVYDYPBPVTSWNSGALTSGHTRPAVQLOSSGLYS 180
 Qy 181 LSSVWVTPSSIGTQTYICWNCNHNKPNTKVKVVERPKSCDKHTCPCPAPBLGGPSVF 240
 Db 181 LSSVWVTPSSIGTQTYICWNCNHNKPNTKVKVVERPKSCDKHTCPCPAPBLGGPSVF 240
 Qy 241 LPPPKKDQLMISRTPETVTVWVDSHEDPEVKENYVIGEVHNAKTKPREQNSTYR 300
 Db 241 LPPPKKDQLMISRTPETVTVWVDSHEDPEVKENYVIGEVHNAKTKPREQNSTYR 300
 Qy 301 VWSVLTULHQDWLNGKEYCKVSKVSKNQALPAPETKTSKAKGPREPOVYTLPSRDLTKN 360
 Db 301 VWSVLTULHQDWLNGKEYCKVSKVSKNQALPAPETKTSKAKGPREPOVYTLPSRDLTKN 360
 Qy 361 QVSLTCLVKGFPSPDIAVEWESNGQPENNYKTPVPLDSGSPFLYSLKLTVDKSRWQGN 420
 Db 361 QVSLTCLVKGFPSPDIAVEWESNGQPENNYKTPVPLDSGSPFLYSLKLTVDKSRWQGN 420
 Qy 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
 Db 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
 RESULT 6
 US-11-177-648-28
 Sequence 28, Application US/11/177648
 Publication No. US20060029603A1
 GENERAL INFORMATION:
 APPLICANT: Jonathon Henry ELLIS
 APPLICANT: Paul Andrew HAMBLIN
 APPLICANT: Paul Alexander WILSON
 APPLICANT: Alan Peter LEWIS
 TITLE OF INVENTION: IMMUNOGLOBULINS
 FILE REFERENCE: PB60608-2
 CURRENT APPLICATION NUMBER: US/11/177,648
 CURRENT FILING DATE: 2005-07-06
 PRIORITY APPLICATION NUMBER: PCT/GB2004/005325
 PRIORITY FILING DATE: 2004-12-20
 PRIORITY APPLICATION NUMBER: GB0329711.6
 PRIORITY FILING DATE: 2003-12-22
 PRIORITY APPLICATION NUMBER: GB0329684.5
 PRIORITY FILING DATE: 2003-12-22
 NUMBER OF SEQ ID NOS: 113
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 28
 LENGTH: 462
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:

;

OTHER INFORMATION: 2A10 heavy chain humanised construct H700
US-11-177-648-28

Query Match 94.4%; Score 2248.5; DB 11; Length 462;
Best Local Similarity 94.8%; Pred. No. 1.8e-136; Mismatches 13; Indels 3; Gaps 1;
Matches 423; Conservative 7; MisMatches 13; Indels 3; Gaps 1;

Qy 1 QVQLVQSGAVKKGSKVSKCAGSYTFSYRMEHWRQAPGQLEWIGYINPSTGYEY 60
Db 20 QVQLVQSGAVKKGSKVSKCAGSYTFSYRMEHWRQAPGQLEWIGYINPSTGYEY 79

Qy 61 NQKEFDKATTADESTNTAYMELSLRSRSDTAVYCCAGGGFDW3GTLVTVSSAKT 120
Db 80 NEKFKSKATMTRDTSSTAYMELSLRSRSDTAVYCCAGGGFDW3GTLVTVSSAKT 136

Qy 121 GPSVPLAPSKSTSGTGAALGCLVKDFFPEPVTVSNNGALTSGVHTPPAVLQSGLYS 180
Db 137 GPSVPLAPSKSTSGTGAALGCLVKDFFPEPVTVSNNGALTSGVHTPPAVLQSGLYS 196

Qy 181 LSSVUTVPSLGLTQTYICVNHKPSNTKDKVVKPSDKTHTCPCPAELGGSPV 240
Db 197 LSSVUTVPSLGLTQTYICVNHKPSNTKDKVVKPSDKTHTCPCPAELGGSPV 256

Qy 241 LFPKKPKDOLMISRTPEVTCVWVDSHDPVKEVNWYDGVENHAKTKPRBQYNSTYR 300
Db 257 LFPKKPKDOLMISRTPEVTCVWVDSHDPVKEVNWYDGVENHAKTKPRBQYNSTYR 316

Qy 301 WVSUTLVLHQDWLNGKEYKCKVSNKALPAIPEKTIKSKAKGQPREQVYTPPSRDLTKN 360
Db 317 WVSUTLVLHQDWLNGKEYKCKVSNKALPAIPEKTIKSKAKGQPREQVYTPPSRDLTKN 376

Qy 361 QVSLTCLVKGKFPSDIAVEWESNGOPENNYKTPPVLDGSFPLYSKLTVDKSRWQGN 420
Db 377 QVSLTCLVKGKFPSDIAVEWESNGOPENNYKTPPVLDGSFPLYSKLTVDKSRWQGN 436

Qy 421 VFSCSVLMHEALHNHYTQKSLSLSPK 445
Db 437 VFSCSVLMHEALHNHYTQKSLSLSPK 462

RESULT 7
US-11-177-648-93

Sequence 93, Application US/11177648
Publication No. US20060029603A1

GENERAL INFORMATION:

APPLICANT: Jonathon Henry Ellis
APPLICANT: Paul Andrew Hamblin
APPLICANT: Paul Alexander Wilson
APPLICANT: Alan Peter Lewis
TITLE OF INVENTION: IMMUNOGLOBULINS
FILE REFERENCE: PB60608-2

CURRENT FILING DATE: 2005-07-06
CURRENT APPLICATION NUMBER: US/11/177,648

PRIOR APPLICATION NUMBER: PCT/GB2004/005325
PRIOR FILING DATE: 2004-12-20

PRIOR APPLICATION NUMBER: GB0329711.6
PRIOR FILING DATE: 2003-12-22
PRIOR APPLICATION NUMBER: GB0329684.5
PRIOR FILING DATE: 2003-12-22

NUMBER OF SEQ ID NOS: 113
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 27
LENGTH: 462
TYPE: PRT

ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: 2A10 heavy chain humanised construct H6
US-11-177-648-27

Query Match 94.2%; Score 2244.5; DB 11; Length 462;
Best Local Similarity 94.8%; Pred. No. 3.3e-136; Mismatches 14; Indels 3; Gaps 1;
Matches 423; Conservative 6; MisMatches 14; Indels 3; Gaps 1;

Qy 1 QVQLVQSGAVKKGSKVSKCAGSYTFSYRMEHWRQAPGQLEWIGYINPSTGYEY 60
Db 20 QVQLVQSGAVKKGSKVSKCAGSYTFSYRMEHWRQAPGQLEWIGYINPSTGYEY 79

Qy 61 NQKEFDKATTADESTNTAYMELSLRSRSDTAVYCCAGGGFDW3GTLVTVSSAKT 120
Db 80 NEKFKSKATMTRDTSSTAYMELSLRSRSDTAVYCCAGGGFDW3GTLVTVSSAKT 136

QY 121 GPSVFLAPSSKSTSGTAAALGCLVKDYPPEPVTSWNSGALTSGVHTPRAVLQSGLYS 180
 Db 137 GPSVFLAPSSKSTSGTAAALGCLVKDYPPEPVTSWNSGALTSGVHTPRAVLQSGLYS 196
 QY 181 LSSVVTVPSSGQTQYICNWNHKPSNTKVKVKEKSCDKTHTCPCTPABLLGSPV 240
 Db 197 LSSVVTVPSSGQTQYICNWNHKPSNTKVKVKEKSCDKTHTCPCTPABLLGSPV 256
 QY 241 LPPPKDQMLISRTPETCVWDVSHEDPEVKFWYDGVEVHAKTKPRBQNSTYR 300
 Db 257 LPPPKDQMLISRTPETCVWDVSHEDPEVKFWYDGVEVHAKTKPRBQNSTYR 316
 QY 301 VVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREQQVTLPSPRDLTKN 360
 QY 317 VVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREQQVTLPSPRDLTKN 376
 QY 361 QVSLTCLVKQPSDIAVEWESNGQPENNYKTPPVLDSDGSPEFLYSKLTVDKSRWQGN 420
 Db 421 VVSCSVLHEALHNHYTQKSLSLSPGK 446
 Db 439 VVSCSVLHEALHNHYTQKSLSLSPGK 464

RESULT 9
 US-11-219-563-132
 ; Sequence 132, Application US/11219563
 ; Publication No. US20060088539A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bander, Neil
 ; TITLE OF INVENTION: MODIFIED ANTIBODIES TO PROSTATE-SPECIFIC
 ; TITLE OF INVENTION: MEMBRANE ANTIGEN AND USES THEREOF
 ; FILE REFERENCE: 13651.001 (BZL-001)
 ; CURRENT APPLICATION:
 ; CURRENT FILING DATE: 2005-09-02
 ; PRIOR APPLICATION NUMBER: PCT/US04/06586
 ; PRIOR FILING DATE: 2004-03-03
 ; PRIOR APPLICATION NUMBER: US/11/219, 563
 ; CURRENT FILING DATE: 2003-03-03
 ; PRIOR FILING DATE: 2003-05-30
 ; NUMBER OF SEQ ID NOS: 144
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 132
 ; LENGTH: 464
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Heavy chain variable and constant region of dej591
 ; US-11-218-813-132

Query Match 94.2%; Score 2244.5; DB 10; Length 464;
 Best Local Similarity 93.7%; Pred. No. 3.3e-136; DB 11; Length 464;
 Matches 418; Conservative 14; Mismatches 13; Indels 1; Gaps 1;

QY 1 QVQLQSGAEGVKPGSSVKVSKCKASGYFTSYRMWVQPGQLEWIGVYINPSTQTEY 60
 Db 20 EVOLVQSGPEVKPKPATVSKCKSGYTFETYIWKQAGKGLWIGVYINPNTGTTY 79
 QY 61 NOKFKDQKATTADESTNTAYMELSSRLSEDATAVYCCARGGVFDYWGQGLTVTSSASTK 120
 Db 80 NQKPEDQKATLTVDKSITATMELSSRLSEDATAVYCCAGMN-FDYGQGTLITVSSASTK 138

QY 121 GPSVFLAPSSKSTSGTAAALGCLVKDYPPEPVTSWNSGALTSGVHTPRAVLQSGLYS 180
 Db 139 GPSVFLAPSSKSTSGTAAALGCLVKDYPPEPVTSWNSGALTSGVHTPRAVLQSGLYS 198
 QY 181 LSSVVTVPSSGQTQYICNWNHKPSNTKVKVKEKSCDKTHTCPCTPABLLGSPV 240
 Db 199 LSSVVTVPSSGQTQYICNWNHKPSNTKVKVKEKSCDKTHTCPCTPABLLGSPV 258
 QY 241 LPPPKDQMLISRTPETCVWDVSHEDPEVKFWYDGVEVHAKTKPRBQNSTYR 300
 Db 259 LPPPKDQMLISRTPETCVWDVSHEDPEVKFWYDGVEVHAKTKPRBQNSTYR 318
 QY 301 VVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREQQVTLPSPRDLTKN 360
 Db 319 VVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREQQVTLPSPRDLTKN 378
 QY 361 QVSLTCLVKQPSDIAVEWESNGQPENNYKTPPVLDSDGSPEFLYSKLTVDKSRWQGN 420
 Db 379 QVSLTCLVKQPSDIAVEWESNGQPENNYKTPPVLDSDGSPEFLYSKLTVDKSRWQGN 438

QY 421 VFSCSVLHEALHNHTQKSISLSPGK 446
 ; Sequence 31, Application US/11177648
 ; Publication No. US200600296031
 ; GENERAL INFORMATION:
 ; APPLICANT: Jonathon Henry ELLIS
 ; APPLICANT: Paul Andrew HAMBLIN
 ; APPLICANT: Paul Alexander WILSON
 ; APPLICANT: Alan Peter LEWIS
 ; TITLE OF INVENTION: IMMUNOGLOBULINS
 ; FILE REFERENCE: PB60608-2
 ; CURRENT APPLICATION NUMBER: US/11/177,648
 ; CURRENT FILING DATE: 2005-07-06
 ; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
 ; PRIOR FILING DATE: 2004-12-20
 ; PRIOR APPLICATION NUMBER: GB0329711.6
 ; PRIOR FILING DATE: 2003-12-22
 ; PRIOR APPLICATION NUMBER: GB0329684.5
 ; PRIOR FILING DATE: 2003-12-22
 ; NUMBER OF SEQ ID NOS: 113
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 31
 ; LENGTH: 462
 ; FEATURE:
 ; OTHER INFORMATION: 2A10 heavy chain humanised construct H16
 ; US-11-177-648-31

Query Match 94.2%; Score 2243.5; DB 11; Length 462;
 Best Local Similarity 94.6%; Pred. No. 3.8e-136;
 Matches 422; Conservative 7; Missmatches 14; Indels 3; Gaps 1;

QY 1 QVOLVQSGAEVKPGSSVVKSCASKASGYFTSYRMHWVROPGQLEWIGVNPNGTYEV 60
 Db 20 QVOLVQSGAEVKPGSSVVKSCASKASGYFTSYRMHWVROPGQLEWIGVNPNGTY 79
 Db 20 QVOLVQSGAEVKPGSSVVKSCASKASGYFTSYRMHWVROPGQLEWIGVNPNGTY 79

QY 61 NQKFKDKATITADESNTNTAMELSSURSEDTAVYCARGGVFDYWGQCLTVTSSASTK 120
 Db 80 NEKFKSKATITWDTSTSTAYMELSSRSBDAVYCLGQ--YWQGQTLVTVSSASTK 136
 Db 80 NEKFKSKATITWDTSTSTAYMELSSRSBDAVYCLGQ--YWQGQTLVTVSSASTK 136

QY 121 GPSVFLAPSSKSKTSGTAAAGLCLVQDYFPEPVTVWSNSGALTSGVHTFPAVLQSGLVS 180
 Db 137 GPSVFLAPSSKSKTSGTAAAGLCLVQDYFPEPVTVWSNSGALTSGVHTFPAVLQSGLVS 196
 QY 181 LSSVUTVPSSSLGQTOTYCNVNHKPNTKDKKKPCKCDKTHTCPPEPAPELLGGSPV 240
 Db 197 LSSVUTVPSSSLGQTOTYCNVNHKPNTKDKKKPCKCDKTHTCPPEPAPELLGGSPV 256

QY 197 LSSVUTVPSSSLGQTOTYCNVNHKPNTKDKKKPCKCDKTHTCPPEPAPELLGGSPV 256

QY 241 LFPKKDKDLMISRTPBVTCVWVVDVSHEDPEVKEWNYDGVVEVNAKTKPREFQYNSTR 300
 Db 257 LFPKKDKDLMISRTPBVTCVWVVDVSHEDPEVKEWNYDGVVEVNAKTKPREFQYNSTR 316

QY 301 WSVLTVLHQDWLNGKEYKCKVSKNKLAPAPIEKTISKAKGQPRPQVVTLPSPRDLTKN 360
 Db 317 WSVLTVLHQDWLNGKEYKCKVSKNKLAPAPIEKTISKAKGQPRPQVVTLPSPRDLTKN 376

QY 317 WSVLTVLHQDWLNGKEYKCKVSKNKLAPAPIEKTISKAKGQPRPQVVTLPSPRDLTKN 376

QY 361 QVSLTCLVKGVGKYPSPDAI AVEWESNGQENPENNYKTPVPLDSGSFLYSLKLTVDKSRWQGN 420
 Db 377 QVSLTCLVKGVGKYPSPDAI AVEWESNGQENPENNYKTPVPLDSGSFLYSLKLTVDKSRWQGN 436

Db 377 QVSLTCLVKGVGKYPSPDAI AVEWESNGQENPENNYKTPVPLDSGSFLYSLKLTVDKSRWQGN 436

RESULT 13
 US-11-177-648-97
 ; Sequence 97, Application US/11177648
 ; Publication No. US200600296031
 ; GENERAL INFORMATION:
 ; APPLICANT: Jonathon Henry ELLIS
 ; APPLICANT: Paul Andrew HAMBLIN
 ; APPLICANT: Paul Alexander WILSON
 ; APPLICANT: Alan Peter LEWIS

RESULT 12
 US-11-177-648-94

QY 421 VFSCSVLHEALHNHTQKSISLSPGK 446
 ; Sequence 31, Application US/11177648
 ; Publication No. US200600296031
 ; GENERAL INFORMATION:
 ; APPLICANT: Jonathon Henry ELLIS
 ; APPLICANT: Paul Andrew HAMBLIN
 ; APPLICANT: Paul Alexander WILSON
 ; APPLICANT: Alan Peter LEWIS
 ; TITLE OF INVENTION: IMMUNOGLOBULINS
 ; FILE REFERENCE: PB60608-2
 ; CURRENT APPLICATION NUMBER: US/11/177,648
 ; CURRENT FILING DATE: 2005-07-06
 ; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
 ; PRIOR FILING DATE: 2004-12-20
 ; PRIOR APPLICATION NUMBER: GB0329711.6
 ; PRIOR FILING DATE: 2003-12-22
 ; PRIOR APPLICATION NUMBER: GB0329684.5
 ; PRIOR FILING DATE: 2003-12-22
 ; NUMBER OF SEQ ID NOS: 113
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 94
 ; LENGTH: 462
 ; FEATURE:
 ; OTHER INFORMATION: 2A10 heavy chain humanised construct H21
 ; US-11-177-648-94

Query Match 94.1%; Score 2242.5; DB 11; Length 462;
 Best Local Similarity 94.8%; Pred. No. 4.4e-136;
 Matches 423; Conservative 5; Missmatches 15; Indels 3; Gaps 1;

QY 1 QVOLVQSGAEVKPGSSVVKSCASKASGYFTSYRMHWVROPGQLEWIGVNPNGTYEV 60
 Db 20 QVOLVQSGAEVKPGSSVVKSCASKASGYFTSYRMHWVROPGQLEWIGVNPNGTY 79
 Db 61 NQKFKDKATITADESNTNTAMELSSRSBDAVYCLGQ--YWQGQTLVTVSSASTK 120
 Db 80 NEKFKSKATITWDTSTSTAYMELSSRSBDAVYCLGQ--YWQGQTLVTVSSASTK 136
 Db 80 NEKFKSKATITWDTSTSTAYMELSSRSBDAVYCLGQ--YWQGQTLVTVSSASTK 136

QY 121 GPSVFLAPSSKSKTSGTAAAGLCLVQDYFPEPVTVWSNSGALTSGVHTFPAVLQSGLVS 180
 Db 137 GPSVFLAPSSKSKTSGTAAAGLCLVQDYFPEPVTVWSNSGALTSGVHTFPAVLQSGLVS 196
 QY 181 LSSVUTVPSSSLGQTOTYCNVNHKPNTKDKKKPCKCDKTHTCPPEPAPELLGGSPV 240
 Db 197 LSSVUTVPSSSLGQTOTYCNVNHKPNTKDKKKPCKCDKTHTCPPEPAPELLGGSPV 256

QY 197 LSSVUTVPSSSLGQTOTYCNVNHKPNTKDKKKPCKCDKTHTCPPEPAPELLGGSPV 256

QY 241 LFPKKDKDLMISRTPBVTCVWVVDVSHEDPEVKEWNYDGVVEVNAKTKPREFQYNSTR 300
 Db 257 LFPKKDKDLMISRTPBVTCVWVVDVSHEDPEVKEWNYDGVVEVNAKTKPREFQYNSTR 316

QY 301 WSVLTVLHQDWLNGKEYKCKVSKNKLAPAPIEKTISKAKGQPRPQVVTLPSPRDLTKN 360
 Db 317 WSVLTVLHQDWLNGKEYKCKVSKNKLAPAPIEKTISKAKGQPRPQVVTLPSPRDLTKN 376

QY 361 QVSLTCLVKGVGKYPSPDAI AVEWESNGQENPENNYKTPVPLDSGSFLYSLKLTVDKSRWQGN 420
 Db 377 QVSLTCLVKGVGKYPSPDAI AVEWESNGQENPENNYKTPVPLDSGSFLYSLKLTVDKSRWQGN 436

Db 437 VFSCSVLHEALHNHTQKSISLSPGK 462

; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: 2A10 heavy chain humanised construct H19
 ; US-11-177-648-92
 Query Match 94.0%; Score 2239.5; DB 11; Length 462;
 Best Local Similarity 94.6%; Pred. No. 6.8e-136; Matches 422; Conservative 6; Mismatches 15; Indels 3; Gaps 1;
 Matches 422; Conservative 6; Mismatches 15; Indels 3; Gaps 1;
 Qy 1 QVOLVQSGAEVKKPGASVVKVSKASGTYFFSYRMENVRQARGQLEWIGYINPSTGYTEY 60
 Db 20 QVOLVQSGAEVKKPGASVVKVSKASGTYFFSYRMENVRQARGQLEWIGYINPSTGYTEY 60
 Db 61 NQKFDKATTADESNTAVAMELSSRSEBTAVVYCARSGGVFDWQGQGTLVTVSSASTK 120
 Qy 137 GPSVPLAPSSKSTSGGTAALGCLVQDYPBPVTSWNNSGALTSGVHTPPAVIQLSSGLYS 180
 Db 80 NEKFKSRATMTRDTSTSTAYNELLSSRLSEDATAVVYCELGGC--YWQGTLVTVSSASTK 136
 Qy 121 GPSVPLAPSSKSTSGGTAALGCLVQDYPBPVTSWNNSGALTSGVHTPPAVIQLSSGLYS 180
 Db 137 GPSVPLAPSSKSTSGGTAALGCLVQDYPBPVTSWNNSGALTSGVHTPPAVIQLSSGLYS 196
 Qy 181 LSSVUTVPPSSLGTOYICINHKSNTKTDKKVKEPKSCDKTHCPCPCPAELLGGSYF 240
 Db 197 LSSVUTVPPSSLGTOYICINHKSNTKDKKVKPKSCDKTHCPCPCPAELAGAPS 256
 Qy 241 LFPPKPKDQDMISRPETPTVWVPSHEDPEVKENWYVDOGEVERAKTKRBEONSTYR 300
 Db 257 LFPKPKDQDMISRPETPTVWVPSHEDPEVKENWYVDOGEVERAKTKRBEONSTYR 316
 Db 301 WSVLTVKDWLNGKEYKCVNSGALPAEKTKSAKQPREPOVYTPPSDELTKN 360
 Qy 317 WSVLTVKDWLNGKEYKCVNSGALPAEKTKSAKQPREPOVYTPPSDELTKN 376
 Db 361 QVSLTCLVKFYPSPDTAVENESNGPENNTKTPVLDSDGSFFLJSKLTVDKSRWQGQ 420
 Qy 377 QVSLTCLVKFYPSPDTAVENESNGPENNTKTPVLDSDGSFFLJSKLTVDKSRWQGQ 436
 Db 421 VFSCSVLHEALHNHYTOKSISLSPGK 445
 Qy 437 VFSCSVLHEALHNHYTOKSISLSPGK 462

Search completed: May 15, 2006, 12:03:28
 Job time : 26.7178 secs